

## Cancer Bldg. Groundbreaking Scheduled

*Building Will House New Koch Research Institute; Construction Starts on March 7*

**By Valery Brobbey**  
*CONTRIBUTING EDITOR*

Groundbreaking will be held on Friday, Mar. 7, 2008 for a new building to house the Koch Institute for Integrative Cancer Research, which will bring together scientists from the Center for Cancer Research and other research groups. The building will be located on Main Street between Building 32 and Building 68 and will be completed in December 2010.

The building will be seven stories tall, according to James May '83, senior project manager at the Department of Facilities. It will have a footprint of 45,000 square feet and offer a total of 365,000 square feet of space, including space in the basement and in a penthouse, May said.

Floors two through seven will consist only of research laboratories, according to May. "The first floor will have headquarters space, as well as additional labs," May said. A total of 25 principal researchers will have laboratories in the building, and there will be some shared laboratory space, May said. The faculty members who will occupy the new building will come from the CCR and other departments such as Biological Engineering, Chemical Engineering, and Electrical Engineering and Computer Science, according to Associate Provost Lorna Gibson.

May said that one reason for the choice of the building's location is its "proximity to similar institutions."

The Broad Institute, Whitehead Institute, Biology and Brain and Cognitive Science buildings are all next to the proposed site. May said that there is "strong synergy" between researchers in these buildings.

Arne Abramson MCP '82, pro-

gram manager at the Department of Facilities, said that MIT will be landscaping the building's entrance on Main Street in connection to the construction to "define MIT's face on Main Street." Abramson said that the project will be "extending the In-

finite Tunnel Network" by connecting the Koch Institute for Integrative Cancer Research to Buildings 32 and 68 via underground tunnels. According to Abramson, it will take "five or

**Cancer Building, Page 13**



*COURTESY OF ELLENZWEIG ARCHITECTS*

**Groundbreaking of the new building for the David H. Koch Institute for Integrative Cancer Research will be on Mar. 7, 2008 between Buildings 32 and 68. This rendering is from the point of view of Galileo Way and Main Street with the Green Building in the background and the Broad Institute on the left.**

## FCC May Limit Companies' Slowing of Web Traffic

*Head of FCC Speaks at Public Hearing on Network Neutrality at Harvard Law School Yesterday*

**By Stephen Labaton**  
*THE NEW YORK TIMES*

CAMBRIDGE, MASS.

The head of the Federal Communications Commission and other senior officials said Monday that

they were considering taking steps to discourage cable and telephone companies from discriminating against content providers as the broadband companies go about managing heavy Internet traffic that they say is clog-

ging their networks.

The agency is considering new rules and enforcement decisions that would force the cable and telephone companies to more clearly disclose to consumers the circumstances in which they might delay some traffic. Comcast recently disclosed that the heavy use of video sharing applications has forced them to slow down some broadband traffic. Consumer groups have replied that such packet discrimination is both unnecessary and potentially threatens to undermine the freewheeling nature of the Internet.

"They must be conducted in an open and transparent way," said Kevin J. Martin, chairman of the FCC, at a hearing on network neutrality and network management here Monday. "While networks may have reasonable practices, they obviously cannot operate without taking some reasonable steps but that does not mean they can arbitrarily block access to certain services."

Michael J. Copps, a Democratic commissioner, said that until recently, the cable companies had made decisions "in a black box that the American public could not peek into." He expressed alarm that any cable companies might be degrading or slowing down network traffic.

"The time has come for a specific enforceable principle of non-discrimination at the FCC," Copps said. "Our job is to figure out where you

draw the line between unreasonable discrimination and reasonable network management."

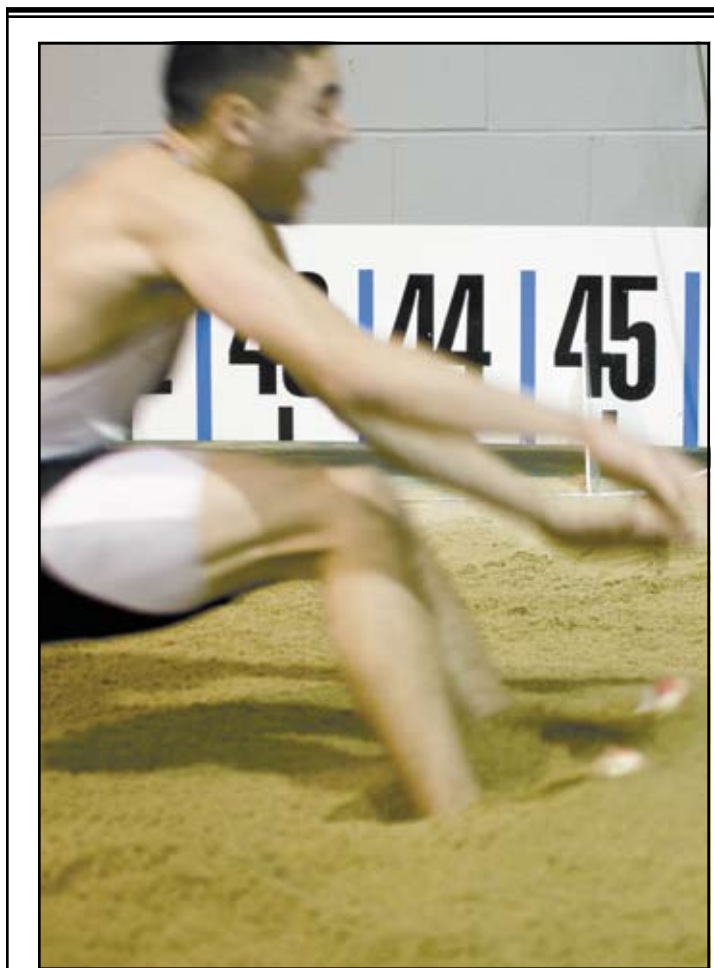
The hearing comes as the commission has been called to resolve a growing number of disputes between broadband providers and file-sharing companies over consumers using peer-to-peer protocol to upload larger video files. Cable companies say that the growing use by consumers of the Internet to get large video files is beginning to clog their networks.

But consumer groups say that efforts to manage the traffic may result in the cable companies favoring one content provider or file-sharing company over another. Comcast has recently acknowledged that it has delayed Internet traffic of BitTorrent, a file sharing service that makes it easier for consumers to upload video files.

The hearing is being held all day Monday in the Ames courtroom at Harvard Law School, near the congressional district of Rep. Edward J. Markey, a Democrat who as the head of a House telecommunications subcommittee recently introduced legislation intended to prevent cable and telephone companies from discriminating in the way they control broadband traffic. (The school is also the alma mater of Kevin J. Martin, the chairman of the commission.)

The legislation faces significant

**FCC, Page 13**



*OMARI STEPHENS—THE TECH*

**Anthony D. Teixeira '08 lands in the sand at the end of a 13.53-meter (44' 4.5") triple-jump. Teixeira finished 7th in the event with a jump of 13.85 meters (45' 5.25"). The MIT men's track and field team finished 3rd in the New England Division III championship meet with 101 points, behind Williams College (106 points), and Tufts University (118 points).**

## A Cappella Groups Agree On Studio

**By Austin Chu**  
*STAFF REPORTER*

One year after a contentious debate about the terms offered by the Logarithms for sharing their recording studio, MIT a cappella groups have agreed to another two years under the same terms as before. Campus a cappella groups have found other ways to obtain more recording time, including building their own makeshift studios and using off-campus studios.

The agreement, which allows other a cappella groups to use the Logarithms' studio in Walker Memorial, covers a two-year period. It had been previously ratified in the fall of 2005. Although some amendments were proposed this past fall, the 2005 agreement was re-ratified in November to cover the period from Sept. 2007 to Aug. 2009.

The current agreement offers MIT a cappella groups two options to use the studio for free. The first provides 30 hours over the two year period to be distributed over any two predetermined weeks. Groups that choose this option also have the option to request a Logs member run Pro Tools for them. Pro Tools is the combined hardware and software system that provides much of the audio recording functionality of the studio. The Cross Products are the only group who have elected to use this option.

The second plan provides 160 hours to be distributed over six predetermined weeks. Groups that choose this option must run the Pro Tools console themselves. The Choralities, Muses, Resonance, and Toons have all agreed to this plan.

Techiya did not join the agreement and does not have any scheduled studio hours for the current period.

### Toons Propose Amendments

The Toons, who had refused to accept the agreement in 2005 and had recorded off campus, proposed amendments during the meetings

**Logs, Page 9**

### In Short

¶ **The cancellation deadline** for the MIT Student Extended Insurance Plan is this Thursday, Feb. 28. Those wishing to waive the plan can visit <http://web.mit.edu/medical/p-waiver.html>.

¶ Ring Delivery has been moved from Friday, Apr. 25 to Saturday, Apr. 26.

¶ Campus Preview Weekend will be held from Friday, Apr. 10 to Sunday, Apr. 13.

*Send news information and tips to [news@the-tech.mit.edu](mailto:news@the-tech.mit.edu).*

### CAMPUS LIFE

Men, are you troubled by your addiction to chick flicks? Well, Michael T. Lin feels your pain.

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# WORLD & NATION

## Pakistan Cuts Access To YouTube Worldwide

By Brad Stone

THE NEW YORK TIMES

SAN FRANCISCO

YouTube was back up two hours after Pakistan, in an act of information provincialism, inadvertently made the video-sharing site inaccessible to users around the world Sunday afternoon.

The blackout left network administrators and Internet activists wondering on Monday how Pakistan's actions, meant to restrict only its own citizens from accessing YouTube, could have such widespread reverberations — and whether such a disruption could be reproduced by someone with more malicious intent.

The incident began Friday, according to reports, when the Pakistani government of Pervez Musharraf became worried that a video clip attacking Islam might generate widespread unrest among its Muslim population. The government asked the Pakistan Telecommunication Authority, which oversees the country's Internet providers, to cut off access to YouTube for the country's estimated 8.2 million Internet users.

That action is not unusual. China, Morocco and Turkey have all reacted to potentially risky material posted to YouTube by blocking access to the site within their borders.

As part of its effort to block YouTube within the country, Pakistan Telecom created a dummy route that essentially discarded YouTube traffic, sending it into what Internet experts call a black hole.

## Gates Pledges U.S. Help For Indonesian Military

By Mark Mazzetti

THE NEW YORK TIMES

JAKARTA, INDONESIA

Defense Secretary Robert M. Gates pledged arms upgrades and other Pentagon support for Indonesia on Monday, as the Bush administration forged closer ties to the military of a country still viewed skeptically by some in Congress for past human-rights abuses.

During a series of meetings in Jakarta, Gates tried to broaden the focus of American relations with Indonesia beyond the fight against terrorist networks, giving only passing mention to the threats they represent, during a speech before a group of foreign policy experts.

Instead, he emphasized the emergence of Indonesia as the "bed-rock" of Southeast Asia and vowed that the United States would help to shore up the country's aging military hardware. He was not specific in the types of upgrades he would approve, but Indonesian officials have, among other things, sought replacement parts for the fleet of C-130 cargo planes.

## Russia Quietly Starts to Shift Its Oil Trade Into Rubles

By Andrew E. Kramer

THE NEW YORK TIMES

MOSCOW

Americans surely found little to celebrate when the price of oil closed above \$100 a barrel last week.

They could, though, be thankful that oil is still priced in dollars, making the milestone of triple-digit oil prices noteworthy at all.

Russia, the world's second-largest oil-exporting nation after Saudi Arabia, has been quietly preparing to switch trading in Russian Ural Blend oil, the country's primary export, to the ruble from the dollar, though the change, if it comes, is still some time off, industry analysts and officials said.

Still, the effort to squeeze the dollar out of Russian oil sales marks another project with swagger and ambition by the Kremlin, which has already wielded its energy wealth to assert influence in Eastern Europe and former Soviet states.

"They are serious," Yaroslav Lissovolik, the chief economist at Deutsche Bank in Moscow, said.

# Obama's Expanding Coalition Picks Up Steam

By Robin Toner and Dalia Sussman

THE NEW YORK TIMES

WASHINGTON

In the past two months, Sen. Barack Obama has built a commanding coalition among Democratic voters, with especially strong support among men, and is now viewed by most Democrats as the candidate best able to beat Sen. John McCain, according to the latest New York Times/CBS News Poll.

After 40 Democratic primaries and caucuses, capped by a winning streak in 11 contests over the last two weeks, Obama has made substantial gains across most major demographic groups in the Democratic Party, including men and women, liberals and moderates, higher- and lower-income voters, and those with and without college degrees.

But there are signs of vulnerability for Obama in this national poll: While he has a strong edge among Democratic voters on his ability to unite and inspire the country, Sen. Hillary Rodham Clinton is still viewed by more Democrats as prepared for the job of president. And while he has made progress among

women, he still faces a striking gender gap: Obama is backed by two-thirds of the Democratic men and 45 percent of the women, who are equally divided in their support between the two. White women remain a Clinton stronghold.

When all voters are asked to look ahead to the general election, McCain, the likely Republican nominee, is seen as better prepared for the presidency, better able to handle an international crisis and more equipped to serve as commander in chief than either of the Democratic candidates.

Even so, the poll provides a snapshot of Obama's strength after this first, frenzied round of primaries and caucuses, which knocked seven of the nine Democratic candidates out of the race. For the first time in a New York Times/CBS News Poll, he moved ahead of Clinton nationally, with 54 percent of Democratic primary voters saying they wanted to see him nominated, while 38 percent preferred Clinton. A new USA Today/Gallup Poll released Monday showed a similar result, 51 percent for Obama to 39 percent for Clinton. These national polls are not pre-

dictive of the Democratic candidates' standings in individual states, notably Ohio and Texas, which hold the next primaries on March 4. Most recent polls there show a neck-and-neck race in Texas and Clinton with a lead in Ohio; her campaign advisers say that if she prevails next Tuesday the race will begin anew.

But the NYT/CBS News poll shows that Obama's coalition — originally derided by critics as confined to upper-income reformers, young people and blacks — has broadened widely. In December, for example, he had the support of 26 percent of male Democratic primary voters; in the latest poll, that had climbed to 67 percent.

"He's from Illinois, and I'm from Illinois, and he reminds me of Abraham Lincoln," said Dylan Jones, 53, a laborer from Oxford, N.C., who was interviewed in a follow-up to the poll. "I can see him out there splitting rails. I don't have anything against Hillary Clinton, so I guess it's because he's new blood."

Similarly, Obama's support among those with household incomes under \$50,000 rose to 48 percent from 35 percent since December.

# Researchers Outline Sources Of Damage to Coral Reefs

By Cornelia Dean

THE NEW YORK TIMES

Researchers who studied a string of Pacific Ocean atolls are painting the first detailed picture of pristine coral reefs and how they can be disrupted by people — particularly, they said, by fishing.

The researchers, from the Scripps Institution of Oceanography and elsewhere in the United States and abroad, surveyed every form of life last summer in the northern Line Islands, a chain south of Hawaii. Their survey encompassed everything from microbes to sharks and other big fish at the top of the food chain.

"Reefs without people" were healthier than populated reefs, they say in a report to be posted Wednesday in the online Public Library of Science Biology. The ecosystems at Kingman and Palmyra, the northernmost and least populated atolls, are

dominated by large predators like sharks and groupers, and corals there are robust, they said, while Tabuaeran and Kiritimati to the south, the most populated atolls, are characterized by fleshy algae, small plankton-eating fish and degraded corals.

In a commentary also published online, Nancy Knowlton and Jeremy B.C. Jackson, coral experts at Scripps and the Smithsonian Institution, said the new work was notable because it produced data at sites "across a full spectrum of human impacts." Without this kind of data, they write, studying coral reefs is like trying to discern the ecological structure of the Amazon rain forest by looking at the cattle ranches and soybean fields that have replaced much of it.

Actually, they write, it is even worse. Scientists can still visit vast areas of intact rain forest and have

decades of data from earlier researchers. "The situation is very different for the oceans," Knowlton and Jackson wrote, because degradation of ocean ecosystems is so pervasive, and underwater observation is relatively recent. As a result, they said, scientists disagree over the relative importance for coral of local factors like overfishing and pollution as against global problems like climate change and the acidification of oceans it causes.

The Line Islands work will not settle those arguments. But the scientists noted great differences in the fish communities at inhabited and uninhabited reefs, which they attributed to fishing pressure on shark, grouper, snapper and other large predators, said Enric Sala, an ecologist formerly at Scripps and now at the National Council for Scientific Research in Spain.

# WEATHER

## Old Man Winter Hangs On

By Garrett P. Marino

STAFF METEOROLOGIST

The snow that impacted the Northeast last Friday officially left 8.9 inches in the Boston area, nearly beating the previous daily record of 9.0 inches set in 1893. A liquid equivalent of 0.75 inches fell, which means that the average snowfall ratio was 12:1 (12 inches of snow to one inch of rain): fairly typical of snowstorms in this area. Although it may not seem like it, the storm pushed Boston's seasonal snowfall total to 50 inches, well ahead of an average year's pace.

While the next storm will be rain, the big story is the wind and cold temperatures that will follow. Expect showers and a steadier rain to develop during the late afternoon and evening hours tomorrow, followed by breezy conditions on Wednesday. The departing storm and high pressure to our west will combine to usher in cold temperatures for Thursday and Friday. The next storm will impact Boston Friday night, and could bring light snow and/or rain.

### Extended Forecast

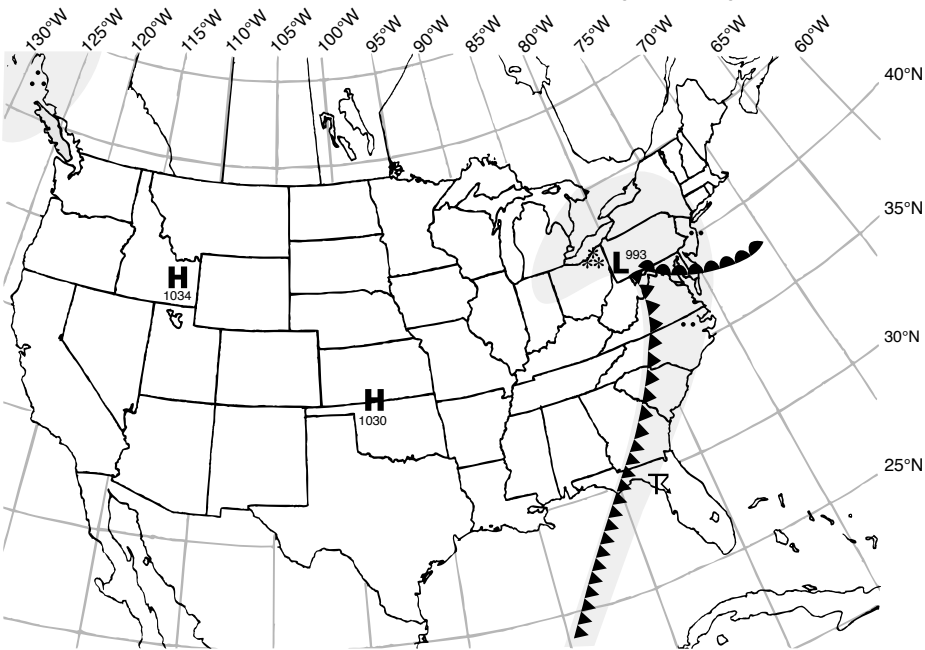
**Today:** Cloudy in the morning with showers in the afternoon. Highs in the mid 40s°F (7°C).

**Tonight:** Rainy and breezy. Lows in the mid to upper 30s°F (3°C).

**Tomorrow:** Mostly cloudy and breezy. Highs in the lower 40s°F (5°C). Lows in the upper teens.

**Thursday:** Sunny and cold. Highs in the mid 20s°F (-4°C). Lows near 10°F (-12°C).

Situation for Noon Eastern Standard Time, Tuesday, February 26, 2008



Weather Systems	Weather Fronts	Precipitation Symbols	Other Symbols
<b>H</b> High Pressure	- - - Trough	Snow * Rain ▽	Fog ☁
<b>L</b> Low Pressure	— Warm Front	Light * Moderate ** Heavy ***	Thunderstorm ⚡
§ Hurricane	▲▲▲ Cold Front		Haze ☁
	▲ Stationary Front		

Compiled by MTT  
Meteorology Staff  
and The Tech



# Clinton Campaign Starts 5-Point Attack on Obama

**By Patrick Healy**  
*THE NEW YORK TIMES*

After struggling for months to dent Sen. Barack Obama’s candidacy, the campaign of Sen. Hillary Rodham Clinton is unleashing what one Clinton aide called a “kitchen sink” fusillade against Obama, pursuing five lines of attack since Saturday in hopes of stopping his political momentum.

The effort reflects not only Clinton’s recognition that the next round of primaries — in Ohio and Texas on March 4 — are must-win contests for her. It also resonates her advisers’ belief that they can persuade many undecided voters to embrace her candidacy at the last minute by finally drawing sharply worded, attention-grabbing contrasts with Obama.

After angrily denouncing Obama over the weekend for an anti-Clinton flier about the NAFTA trade treaty, and then sarcastically portraying his message of hope on Sunday as naive, Clinton delivered a blistering speech on Monday that compared Obama’s lack of foreign policy experience to that of the candidate George W.

Bush. “We’ve seen the tragic result of having a president who had neither the experience nor the wisdom to manage our foreign policy and safeguard our national security,” Clinton said in a speech on foreign policy at George Washington University. “We can’t let that happen again.”

With a crucial debate in Ohio on Tuesday night, both Clinton’s advisers and independent political analysts said that, by going negative against Obama when polls in Texas and Ohio show a tightening race, Clinton risked alienating voters. Clinton has always been more popular with voters when she appeared sympathetic and a fighter; her hard-edged instinct for negative politics, meanwhile, has usually turned off the public.

“There’s a general rule in politics: A legitimate distinction which could be effective when drawn early in the campaign, often backfires and could seem desperate when it happens in the final hours of a campaign,” said Steve McMahon, a Democratic strategist who is not working for either candidate.

In Clinton’s speech on Monday,

she also portrayed herself as “tested and ready” to be commander in chief, while accusing Obama of believing “that mediation and meetings without preconditions will solve some of the world’s most intractable problems.” Obama has said he would go further than Clinton to meet with leaders of hostile nations, but he has also said he would prepare for those meetings carefully and would not be blind to the leaders’ motives.

Clinton’s aides, meanwhile, accused Obama on Monday of working with outside groups to spend money on the campaign that went beyond party rules. But the attack that received the most pop on cable television and the blogs, came after a photograph of Obama dressed in ceremonial African garb appeared on the Drudge Report, and the item’s author, Matt Drudge, said that the image was provided by a Clinton staff member.

Obama’s campaign manager, David Plouffe, said that, if it circulated the photograph, the Clinton campaign had “engaged in the most shameful, offensive fear-mongering we’ve seen from either party.”

# Pfizer to Pull Drug Ads Featuring Artificial Heart Pioneer

**By Stephanie Saul**  
*THE NEW YORK TIMES*

Under criticism that its ads are misleading, Pfizer said Monday it would cancel a long-running advertising campaign using the artificial heart pioneer Dr. Robert Jarvik as a spokesman for its cholesterol drug Lipitor.

Pfizer has spent more than \$258 million advertising Lipitor since January 2006, most of it on the Jarvik campaign, as the company sought to protect Lipitor, the world’s best-selling drug, from competition by cheaper generics.

But the campaign had come under scrutiny from a congressional committee that is examining consumer drug advertising and has asked whether the ads misrepresented Jarvik and his credentials. Although he has a medical degree, Jarvik is not a cardiologist and is not licensed to practice medicine.

One television ad depicted Jarvik as an accomplished rower gliding across a mountain lake, but the ad used a body double for the doctor, who apparently does not row.

“The way in which we presented

Dr. Jarvik in these ads has, unfortunately, led to misimpressions and distractions from our primary goal of encouraging patient and physician dialogue on the leading cause of death in the world — cardiovascular disease,” Pfizer’s president of worldwide pharmaceutical operations, Ian Read, said in a statement. “We regret this. Going forward, we commit to ensuring there is greater clarity in our advertising regarding the presentation of spokespeople.”

A company spokeswoman, Vanessa Aristide, said Pfizer was working with its advertising agency, the Kaplan Thaler Group, to develop a new campaign.

Lipitor, with sales of \$12.7 billion last year, is protected by patent until 2010. Some patients have, nevertheless, begun switching to a generic version of a competing cholesterol drug, Zocor.

The House Energy and Commerce Committee has been looking into television ads featuring Jarvik. The committee disclosed that Pfizer agreed to pay Jarvik at least \$1.35 million under a two-year contract that expired next month. Rep. John

D. Dingell, D-Mich., who is chairman of that committee, raised questions about Jarvik’s credentials to recommend Lipitor.

Jarvik, who has recently declined to discuss the Lipitor campaign, could not be reached for comment Monday.

The committee’s investigation has rekindled a debate over the so-called direct-to-consumer advertising of pharmaceuticals, a \$4.8 billion business.

Dingell and Bart Stupak, D-Mich., who heads an investigations subcommittee, applauded Pfizer’s decision to pull the Lipitor ads.

“I commend Pfizer for doing the right thing and pulling the Lipitor ads featuring Dr. Jarvik,” Stupak said in a statement. “When consumers see and hear a doctor endorsing medication, they expect the doctor is a credible individual with requisite knowledge of the drug.”

While endorsing Pfizer’s decision, the committee showed no sign of shutting down its investigation. Stupak said the committee planned to meet with Jarvik and collect all of the documents it had requested.

# Survey Finds American Religious Life Fluid and Diverse

**By Neela Banerjee**  
*THE NEW YORK TIMES*

WASHINGTON

More than a quarter of adult Americans have left the faith of their childhood to join another religion or profess no religion, according to a new survey of religious affiliation by the Pew Forum on Religion and Public Life.

The report, titled “U.S. Religious Landscape Survey,” depicts a highly fluid and diverse national religious life. If shifts among Protestant denominations are included, then it appears that 44 percent of Americans have switched religious affiliations.

For at least a generation, scholars have noted that more Americans are moving among faiths, as denominational loyalty erodes. But the survey, based on telephone interviews with more than 35,000 Americans, offers one of the clearest views yet of that trend, scholars said. The U.S. Census Bureau does not track religious affiliation.

It shows, for example, that every religion is losing and gaining members, but that the Roman Catholic Church “has experienced the great-

est net losses as a result of affiliation changes.” The survey also indicates that the group that had the greatest net gain was the unaffiliated. Sixteen percent of American adults say they are not part of any organized faith, which makes the unaffiliated the country’s fourth-largest “religious group.”

Detailing the nature of religious affiliation — who has the numbers, the education, the money — signals who could hold sway over the country’s political and cultural life, said John Green, an author of the report and a senior fellow on religion and American politics at Pew.

Michael Lindsay, assistant director of the Center on Race, Religion and Urban Life at Rice University, echoed that view. “Religion is the single most important factor that drives American belief attitudes and behaviors,” said Lindsay, who had read the Pew report. “It is a powerful indicator of where America will end up on politics, culture, family life. If you want to understand America, you have to understand religion in America.”

In the 1980s, the General Social Survey by the National Opinion Re-

search Center indicated that 5 percent to 8 percent of the population described itself as unaffiliated with a particular religion.

The Pew survey, available on the Web at [religions.pewforum.org](http://religions.pewforum.org), was conducted between May and August of 2007. The margin of sampling error ranges from plus or minus one percentage point for the total sample to two points for Catholics and eight points for Hindus.

In the Pew survey, 7 percent of the adult population said they were unaffiliated with a faith as children. That segment increases to 16 percent of the population in adulthood, the survey found. The unaffiliated are largely under 50 and male. “Nearly one in five men say they have no formal religious affiliation, compared with roughly 13 percent of women,” the survey said.

The rise of the unaffiliated does not, however, mean that Americans are becoming less religious. Contrary to assumptions that most of the unaffiliated are atheists or agnostics, most described their religion “as nothing in particular.”

## Ford Pushing Hard to Convince Workers to Take Buyouts

**By Bill Vlasic**  
*THE NEW YORK TIMES* WOODHAVEN, MICH.

Ford Motor Co. is applying the hard sell these days — piling on incentives, doling out marketing DVDs and brochures, and making offers it hopes are too good to pass up.

But Ford’s big new push is not to sell cars. Instead, it is trying to sign up thousands of workers to take buyouts, partly by convincing them that their brightest future lies outside the company that long offered middle-class wages for blue-collar jobs.

So Ford is pitching a buffet of buyout packages that are easily among the richest ever offered to factory workers, including one-time cash payments of \$140,000 or college tuition plans for an entire family.

The automaker is also putting on job fairs in its plants and mailing each of its 54,000 hourly workers a feature-length DVD, titled “Connecting with Your Future,” that extols the promise of new careers beyond the assembly line.

Last Friday, inside a huge sheet-metal stamping plant in this industrial center south of Detroit, Ford workers spent their lunch hour perusing opportunities to go back to school, hire on at growing companies and open fast-food franchises.

“I am taking it seriously, but it’s really hard to think about leaving,” said Jerry Thomas, a 37-year-old millwright with 12 years at Ford. “The only thing that would make me do it is the uncertainty. We just don’t know what’s going to happen with Ford.”

The unprecedented push to move workers out reflects the tough times in Detroit. Ford has lost \$15 billion in the past two years, and General Motors and Chrysler are also restructuring after heavy losses.

While Detroit’s Big Three have already slashed about 80,000 jobs through buyouts and early retirements since 2006, a new blitz is under way to shrink employment even further to make way for lower paid workers in the future.

## FCC Weighing Limits On Slowing Web Traffic

**By Stephen Labaton**  
*THE NEW YORK TIMES* CAMBRIDGE, MASS.

The head of the Federal Communications Commission and other senior officials said on Monday that they were considering taking steps to discourage cable and telephone companies from delaying the downloads and uploads of heavy Internet users.

The agency is considering rules and enforcement decisions to force the cable and telephone companies to disclose their policies more clearly for delaying traffic that they say is clogging their systems.

Comcast, the nation’s largest cable company, has been the subject of a complaint after it acknowledged that it slowed down some Internet traffic of BitTorrent, a file-sharing service, because of heavy use of video-sharing applications.

Consumer groups have said that such discrimination against some content providers has been aimed at Comcast’s rivals and is both unnecessary and threatens to undermine the freewheeling nature of the Internet. In his comments, Kevin J. Martin, the agency’s chairman, tended to agree.

“They must be conducted in an open and transparent way,” Martin said at a hearing Monday on network neutrality and network management. “While networks may have reasonable practices, they obviously cannot operate without taking some reasonable steps, but that does not mean they can arbitrarily block access to certain services.”

## Bush Cool to States’ Call For Public Works Projects

**By Robert Pear**  
*THE NEW YORK TIMES* WASHINGTON

President Bush rebuffed appeals from the nation’s governors on Monday to increase spending on roads, bridges and other public works as a way to revive the economy.

Governors said Bush had told them at a White House meeting that he wanted to see the effects of his economic stimulus package before supporting new measures.

A bipartisan group of governors is pushing for major road and bridge projects as a way to create jobs and foster economic development. But the White House says the money could not be spent fast enough to be of much immediate help.

“There’s no short-term stimulus to the economy for some of these projects,” Dana Perino, the White House press secretary, said.

Moreover, Perino said, the president will not accept any bill that raises taxes to finance such projects. Governors would have more money available, she said, if Congress ended the wasteful earmarking of billions of dollars for specific projects.

In a report on Monday, the National Association for Business Economics, a professional group, said, “Economic growth is expected to slow to a crawl in the first half of 2008.”

## Annan Says Kenya Negotiations Stall Over Cabinet Positions

**By Jeffrey Gettleman**  
*THE NEW YORK TIMES* NAIROBI, KENYA

Kofi Annan has had just about enough — or so it seems.

Annan, the former U.N. secretary-general who is trying to broker a political peace treaty in Kenya, expressed rare public frustration on Monday, blasting Kenya’s leaders for failing to compromise.

Annan has been locked in a hotel conference room in Nairobi, the capital, for much of the past month, trying to coax Kenya’s government and opposition leaders into sharing power after a disputed election in late December plunged the country into turmoil. And Annan said as recently as late last week that the two sides were close to a deal.

But his tone has changed.

“After four hours of intense negotiations this morning, the negotiating team made almost no progress toward reaching an agreement on governance, despite the fact that they were given the entire weekend to consult on their positions,” Annan said in a stiffly worded statement issued Monday night.

# OPINION

## Letters To The Editor



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### Is the NFL Smarter Than the Ivy League?

If I were to say that the NFL's governing body is smarter than the administrations of our nation's wealthiest universities, would you believe me? People may look in wonder at the nature of the statement, asking themselves "How could a handful of individuals in the sports business outwit those that are responsible for educating our nation's brightest students?" The answer is simple: they understand that their own success depends on the success of the group.

Last year the NFL team owners overwhelmingly passed a new revenue sharing plan designed to lessen the financial divide between large and small market teams. The owners agreed to take a financial hit because they knew that the future of the league depended upon the economic viability of each

and every team. I wonder how long it will take for college administrators to come to the same realization.

We are in a time where the billion-dollar endowments of a handful of universities grow at rates approaching and exceeding twenty percent per year, while the majority of colleges have endowments below \$10 million. Just look at the \$5.7 billion growth in just Harvard's endowment last year. To most individuals, \$10 million still seems like a pretty respectable sum, but when only a portion is spent each year, it leaves many institutions strapped for cash when it comes time to update buildings, give financial aid, and provide reliable services to their students. These schools — and more importantly their students — would benefit greatly from just a small influx of money; money that is accumulating in the accounts of a few wealthy institutions.

Our nation's wealthiest universities need

to come to the same realization as the NFL owners: that they cannot succeed on their own. In light of the recent focus on endowment spending by Congress, now is the perfect time to offset the growing gap between college endowments. By sharing a portion of investment earnings — not touching the endowment itself — wealthy universities can curb government speculation and improve the quality of education across the nation.

Schools that are short on cash would be able to improve financial aid and their degree programs.

What do these schools stand to lose? Just a few percentage points from their annual endowment growth; money that primarily goes back into the endowment and not to the students that could benefit from it. These schools claim to stand for education, yet they continue to increase tuition and limit spending, all just to enlarge their own portfolios.

Drew K. Cameron '10

## Financial Aid Leaves Out Middle Class

Alison McKenzie

The article about the Senate requesting MIT's information on endowment and tuition on Friday, Feb 22, makes things sound reasonable enough, but it's glossing over some of the ugly facts underlying MIT's financial aid policies.

Now, I come from Milwaukee, Wisconsin. My parents are still married and work full time. MIT estimated that my parents could give about \$25,000 a year towards my education. However, it seems to me that this estimate neglects a number of things — our mortgage, for instance. And the car repair bills, and the credit card debts, and the fact that I have two younger siblings.

The truth of the matter is, my parents can't afford to put money towards my education. It's not their fault; they have my siblings to consider, their retirements, their own debts and bills to pay. Besides, I am not my family; I am an adult, capable of caring for myself. It's not their responsibility to pay for my education. So why does MIT seem to see it as such?

MIT's financial aid Web site proudly claims "[W]e meet every student's full financial need." But one should examine more in depth how that need is determined. Need is based almost entirely upon your family's income. This means that the majority of other financial factors — such as debts, mortgages, and retirement funds — are essentially ignored.

It's virtually impossible to decrease your parent contribution. It seems the only way MIT will lower your expected contribution is if you can provide evidence of either abuse or mental disability at home. If you can't provide satisfactory evidence, your financial aid estimate stays the same. If your parents remove support from you completely (i.e., refuse to complete the Free Application for Federal Student Aid again), MIT will take the previous estimate and continue to apply it until you leave MIT.

Translation: if your family completely withdraws support from you, but you have no evidence of actual abuse, you will be left with a financial aid estimate that acts as if your familial relations were still entirely intact.

MIT's financial aid policy, as I have been told empathetically, isn't based on "if your parents are willing to pay", but "if they can pay." This is a roundabout way of saying "If your parents aren't supporting you, there isn't anything we're going to do about it, so you're

pretty much out of luck." Which means that students like me — whose families have a decent income but virtually no expendable money — are left in the cold.

MIT might not be as wealthy, but Harvard University's new policy is extremely reasonable. The Web site states that families with an income between \$120,000 and \$180,000 are expected to contribute 10% of their income — versus the approximately 20% that MIT has estimated my family can contribute.

Even taking into account the difference between MIT and Harvard's endowments, such a contrast seems ridiculous. As an adult, I should be able to move forward into my future instead of having to worry about paying off my past. My parents shouldn't have to be responsible for me or my education.

MIT might be feeling pressure from the Senate regarding their financial aid policies, and I say that they ought to be feeling it. The cost of education is absurd enough without roundabout financial aid policies that leave low-income students with negligible loan debt, while middle class students wonder whether or not they'll ever be able to pay off their debts.

It's great that MIT can provide for low-income families; don't think that I have an issue

with MIT providing help to those who need it! However, middle-income students have just as much right to be at MIT as anyone else, and I think that MIT should seriously consider upgrading their aid process.

While the Executive Director of Student Financial Services Elizabeth M. Hicks noted that average student loan debt has decreased from \$23,000 to \$15,000, one should know that \$15,000 is not the end-all-be-all amount that students will have to borrow. I'm looking at about \$80,000 of debt by the time I graduate from school — if I scrimp, save, and get a job to cover my extra expenses; Not everyone is being helped as ideally as MIT's financial aid Web site would like you to believe.

I know I'm not the only middle-income student struggling to figure out how to pay the bills, but I'm hoping that even if MIT isn't as rich as Harvard or Yale, they can still recognize that the cost of education is getting out of control. Something needs to be done for everyone — including the middle class. Still, I'm not hoping for too much ... it seems like MIT is refusing to acknowledge that maybe Harvard has done something right for once.

Alison McKenzie is a member of the Class of 2011.



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# CAMPUS LIFE

## *It's a Big, Big World*

### *What You Can't Learn in School*

By **Diana Jue**  
*STAFF COLUMNIST*

I returned to the United States with a penchant for tea. On late Buenos Aires afternoons, I'd join my family for mate, an Argentinian drink made from a holly-like herb. Each member of the house would take turns drinking the hot water infused with herbs from a hollowed gourd using a metal straw. After coming home from classes in Bangalore, my host mother would ask me if I'd like to "take tea" and would proceed to create her chai masala concoction of tea, milk, and spoonfuls of sugar. In Beijing and Shanghai, my hosts would serve tea after meals. While waiting for the tea to brew, they'd douse the cups with hot water to pre-wash, pre-heat, and pre-rinse them. Throughout our hour long conversations, they'd graciously pour and refill my mini teacup with fresh tea.

Now I'm back at MIT, and I brew tea bags in the middle of the night, typically in the company of a problem set and instrumental music playing from iTunes. Some of the trip's aspects that made the largest impact on me, surprisingly, weren't related to academics. They're not things I thought I'd learn in my study of cities. Rather, the trip greatly impacted how I think about, observe, and understand things that are, well, big.

The scope of realities is bigger than I knew. Global cities like Bangalore and Shanghai contain simultaneously occurring multiple worlds. I think that experiencing this dichotomy first hand has encouraged me to look beyond the immediate. Very few things are as simple as they appear. When I returned to the United States, I read *The End of Poverty* by

Jeffrey Sachs. While Sachs' rhetoric is powerful, I cannot agree with his argument that massive amounts of foreign aid and neoliberal economic policies are the best and only solutions to global poverty. As I saw, foreign aid is difficult to come by, and neoliberal policies, without ample protection that is hard to obtain, can hurt the vulnerable.

While away, I barely did math beyond the simple conversion between currencies. I wrote inefficiently by hand or rushed on a computer in an Internet cafe. I didn't hone any technical skills, but I did develop my big thinking skills and the ability to formulate questions based on the intersection between my readings, conversations, and observations. To what extent can the poor participate in the public sphere if they lack the resources like time and money to do so? How can any public policy changes be instituted if corruption is rampant and courts are weak? I think that asking good questions requires heart and concern; traveling gave me firsthand exposure to the true difficulties that lie beyond these questions. I was desperate for answers.

I went abroad to try something different by living away from the familiar. By placing myself into a bigger set of experiences, I witnessed how I react to change. I learned about how big and complex I was, too. The first weekend in Buenos Aires was bad; no official activities were scheduled, we had two days of free time, and I didn't know anybody or the city very well. I felt indescribably downcast and found myself in need of familiarity and someone to talk to. I called up a friend, Annie, to see if she would come with me Buenos Aires' immigrant

Chinese community. The worldwide Chinese diaspora interested me, and I was hungry for something from home (quite literally; I was craving Comida China). The neighborhood was a baby Chinatown that wasn't labeled on our tourist maps. Signs were written in both Spanish and Chinese. Food stalls sold fish balls, sticky rice, and milk tea. Asians and non-Asians walked the streets. My friend and I hit up a supermarket, bought red bean pastries, ate on a bench, and I semi awkwardly talked the feelings out.

I'm a bit sheepish to say it, but being the only MIT student in a group of 35 revealed the range of personalities and socialization methods is much, much bigger than what I've experienced on campus. One evening in New York, my friend Grace and I were waiting on a shaky elevated platform for the Number 1 train. While I was describing my friends at MIT, I said, "Yeah, he's majoring in electrical engineering and computer science. He's really smart." Then Grace stopped me. "Why do you rank your friends by their intelligence? What does it say about who he is?" She was absolutely right. After being steeped in this culture where brains can mean nearly everything, I had forgotten that in the real world among most people, they're not.

The cultural differences were big, but the similarities that bridge humans might've been

bigger. I met peers from Argentina, India, and China. They were going through the same questions we all face: What am I going to do with my life? What is really important to me? On my wall hangs a sari that represents the universality of families and mothers. My host mother, a cute little woman, helped me buy this sari. Shortly thereafter, it started raining heavily, and we unsuccessfully hailed an auto rickshaw. I apologized profusely, but she remained upbeat and bought me bread and fried corn from the bakery. I also had to opportunity to visit Christian churches in every country, and it was amazing to watch and participate in different worship styles that inherently served the same purpose.

Details of economic policies, theories of cultural change, and discussions about public space may or may not be important for me in the future. But these other lessons I learned abroad — truths that I cannot be tested on but rather require personal understanding — are valuable life lessons that I am grateful for. They all go very well with a hot cup of tea, too.



Since I enjoyed Indian tea so much, I had to visit the beautiful tea plantations of Munnar during my journey.



In Buenos Aires' Chinese immigrant neighborhood, a woman sells "red tea with milk and pearls" and sticky rice.

# Brouhaha Rhythm

## *I Wish I Knew How to Quit Chick Flicks*

By **Michael T. Lin**  
*STAFF COLUMNIST*

People have declared for ages that, for a man to be a proper boyfriend, he has to be willing to watch an occasional chick flick with his significant other from time to time. As a point of policy, I've responded by proclaiming how wonderful it is to be dating a woman who doesn't even like chick flicks, thereby negating the cookie-cutter advice. Yet I've recently come to the horrifying realization that I may be gravitating more towards the genre than I thought I would.

True, I haven't fallen into full blown addiction, but when I'm trying to describe "When Harry Met Sally" to my friends and find myself trying to rationalize it as only "chick flick-ish," it becomes increasingly apparent that I have some self evaluation to do.

Let me make this abundantly clear: I do not consider myself a fan of chick flicks. I got

excited over the "Iron Man" trailer and enjoy watching action films, with or without River Tam beating up everyone. I've never seen "The Notebook," a fact to which I continue to cling to as reassurance that I still possess a modicum of machismo (well, maybe not quite a modicum, more like an iota, really). I still believe that "Titanic" didn't deserve Best Picture, although the fact that I thought "As Good As It Gets" should've won instead, doesn't do much for my case.

On the flip side, I'm not exactly what you might call "stoic," either. I paid money for the "Music and Lyrics" soundtrack, and the pres-

ence of Hugh Grant alone seems to classify the film as a chick flick. I really liked the movie "Waitress," although I mostly watched it to gauge Nathan Fillion's acting when occupying a role that didn't require him to wear tight pants. I even cried a little when I saw "Moulin Rouge," although I suppose a movie with as many women-dancing-in-unmentionables scenes as that movie did doesn't necessarily count as a chick flick.

So with all of that evidence to be reconciled, where does that leave me? I mean, I feel secure enough that if I decide that chick flicks officially fall among the types of movies I like, I can say so. At the

*I do not consider myself a fan of chick flicks. I got excited over the "Iron Man" trailer and enjoy watching action films, with or without River Tam beating up everyone.*

same time, though, it seems almost hypocritical of me to parade around my non-chick-flick-fan girlfriend as evidence that I should be envied by all who are dragged to chick flicks, and then force *her* to be the one who has to bow her head in shame and admit that she gets dragged to chick flicks. Just doesn't seem fair, does it?

Now that I really think about it, I may be getting ahead of myself. Clichéd film moments still nauseate me to no end, even in action films. I spent something like six months arguing and debating the cinematic merits of "Alien Versus Predator," of all things. And throughout my childhood, I studied like a monk from the Jackie Chan school of fake martial arts. So maybe there is hope for recovery, after all, almost as much as there is hope that I don't have a problem at all. Now if you'll excuse me, I'm going to go watch copious amounts of sci-fi. Nothing salves the sting of chick flicks like out-of-this-universe hijinks.



# Through My Eyes

## An Ocean Away, Yet Close to Your Heart

By Christina Kang  
STAFF COLUMNIST

Murder. Genocide. Political unrest. Displacement from homes. Here at MIT, most of us are fortunate to say we have never experienced these griefs first hand. Most of us are even so fortunate to say that we do not have close friends or loved ones who have experienced these horrors first hand in Sudan, Iraq, Haiti, or even in more stable locations like Kenya and South Africa. However, with MIT's diverse student body, growing focus on international development, and increasing number of students traveling to countries all around the world, events occurring in locations hundreds of miles away are coming one step closer to our lives and our hearts.

Mario A. Bollini '09 traveled to Nairobi, Kenya this past summer after taking SP.784, a class on Wheelchair Design in Developing Countries taught by Amos G. Winter G and Amy Smith, senior lecturer in the Department of Mechanical Engineering. Mario worked with The Association for the Physically Disabled of Kenya (APDK) to test and implement a new design for hand-powered tricycles. However, Mario's experience in Kenya went beyond mechanical engineering; Mario worked closely with the technicians in the wheelchair workshop, the physically disabled individuals that came for a tricycle, and the administrative staff running the organization. Observing their interactions, Mario had really integrated himself into their every day lives. He worked with them, ate with them, joked around with them, and shared stories with them. I was only there for a week, but even during that short time, I was able to connect with them and feel a bond of camaraderie. Our new friends loved tea time, offering us more and more of the delicious (and very sugary) tea and taking delight in the peanut butter and banana sandwiches Mario had introduced them to.

Though things were stable while Mario was in Kenya, the nation is now plagued by violence stemming from the December presidential election. When asked about the effect of the current political situation, Mario responded, "Having been to many of the places in Kenya that are being torn apart by the post-election violence, I'm personally torn apart by memories of a much different Kenya and the horror of seeing many friends' homes and lives destroyed. A particular photograph of riot police beating protesters at the bus stop that I commuted through daily really conveyed the country's unfortunate transformation to me."

On December 27, Kenyan voters re-elected President Mwai Kibaki (mainly supported by the Kikuyu tribe) into office. Or so we thought. On the last day of 2007, riots broke out and a ban was placed on live TV broadcasts as supporters (mainly the Luo tribe) of Raila Odinga, Kibaki's close opponent, accused Kibaki of

rigging the elections. Many Kenyans, including some of our friends, had unexpected murder, genocide, political unrest, and displacement from homes to start their new year. The slum communities and less-privileged regions suffered significantly. While much of the upper and middle classes in Kenya were not directly affected, they experienced effects of the conflict. For example, Herman M. Mutiso '10, an MIT international student that lived in Kenya for the first 18 years of his life, moved to the states in late August, 2006 to start MIT. He was home from December 25 to January 9 and while he was not directly affected by the violence, he says, "I was forced to stay at home for days on end, as were lots of other Kenyans, given the fear of getting caught up in an impromptu riot, or of having to explain oneself to police who, out of a desperation to restore order, became increasingly aggressive. Considering that the whole point of my trip to Kenya was to see friends and family, the fact that a few prominent political figures were holding the country at ransom really upset me."

Now why does that matter to us? It is understandable that it doesn't as Kenya is an ocean and several countries away. Mario phrased it well, "It's easy to feel disconnected from what happens abroad, both because it doesn't directly affect us and because we have no idea what riotous political turmoil really feels like." However, the heartache and issues are not as far as you may think. There are many students, staff, and faculty that you have probably met or may even work with every day that have visited or lived in Kenya with friends and even family that are still there.

MIT is in a unique position with involvement from countries all over the world that allow us to learn and understand situations beyond what the media tells us. Gleb Kuznetsov '10 was in Kenya with a team of five MIT students this previous summer working with the MIT Africa Internet Technology Initiative. Working at Alliance High School in Kikuyu and Strathmore University in Nairobi, the MIT team taught the students computer knowledge and skill they could apply to community service or entrepreneurial endeavors. "We developed strong relationships with teachers and students, especially at Strathmore University where the students were essentially our peers, and remain in contact via email and Facebook," Gleb wrote in an e-mail. When Gleb contacted his students post-election troubles, he learned that the media had been "sensationalizing the events to some extent, though not to understate that people have been losing their lives and others are being displaced from their homes." Gleb found that his students had the advantage of access to resources and information which allowed them to "absorb information from around the world and analyze the happenings in their own country from a broader perspective,



CHRISTINA KANG—THE TECH

**Mario A. Bollini '09 explains his group's new 2-gear hand-powered tricycle design to a local client of The Association for the Physically Disabled of Kenya that came to test the prototype. Mario was in Nairobi, Kenya this past summer.**

leading to greater understanding and more responsible means of dealing with the issue. [Which allowed them to] carry on their studies and jobs with 'business as usual in Nairobi' as one wrote in a Facebook message," said Gleb. Gleb is part of the AITI team that added the Cell Phone Application development to AITI this past summer, "providing access to content and information to a broad range of cell phone uses." He commented, "Making content and information more widely available could prevent or at least tone down conflicts such as the post-election turmoil that is only now beginning to cool off."

Herman also provided a unique perspective about the situation which he experienced firsthand on his visit home. "Yes, billions of dollars have been lost [these] past few weeks, but an even greater problem is the stratification of the country along ethnic lines. A lot of the rioting quickly devolved into ethnic cleansing, and I fear that it will be a long time before we can regain a national identity. Most people in the country now identify themselves primarily with their tribe and then secondly as Kenyan. As a youth, I'm also disturbed by the fact that given this was the first election where the youth really turned up in large numbers to decide the direction the country was going to take, the fact that such a large number feel cheated will mean that the youth will again fall into a state of indifference and apathy when it comes to the country's elections, which is the last thing any African country needs right now," said Herman.

Indeed, many individuals and organizations in Kenya are in disarray. APDK, an organization that Mario and other MIT students have worked closely with, estimates that more than 180 of the disabled individuals they work with have been directly affected through looting and burning of or displacement from their homes and businesses. More than 1000 of these individuals have been indirectly affected. The violence has resulted in a high demand for mobility aids, housing, food, sources of income, and post-traumatic stress counseling that APDK has been struggling to meet. APDK has no obligation to help them get through these hard times, but, they are trying. We, too, don't have to do anything. However, at the very least, shouldn't we try to know what is happening and understand? The people in Kenya are our colleagues, mentors, advisers, friends, and maybe even our family; don't you want to know what is happening? MIT demands a lot out of its students. When we aren't psetting or studying for an exam, we want to unwind and let go. Who wants to spend their precious free time reading the small print of the newspaper or watching the news instead of an exciting episode of 24 or Lost? But what if the situation was reversed and this had happened to you? Sure, you may say, "well, it didn't." But what if it had?



## Did you know that the Museum of Science hosts rehearsal dinners, weddings, post-wedding brunches, and more?

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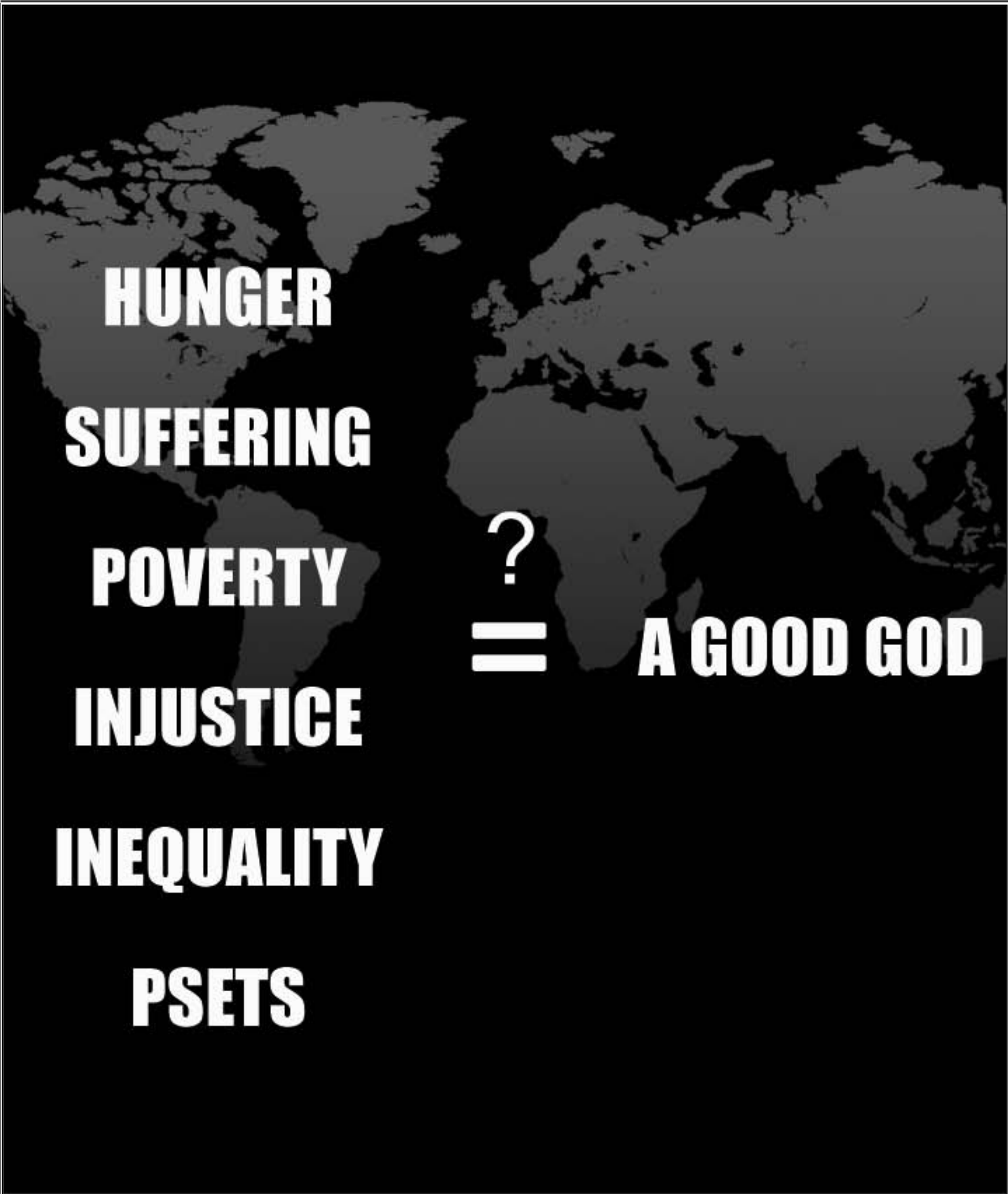
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# How could a good God allow suffering?

Dr. TIM KELLER, Author and Speaker

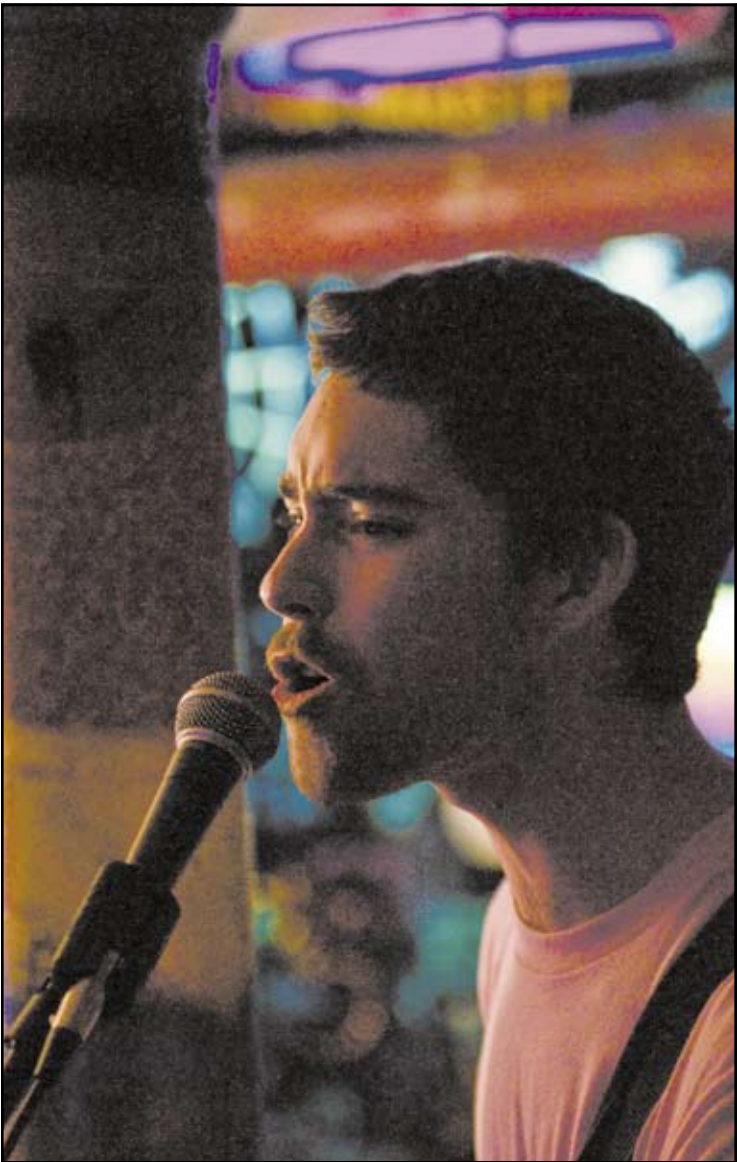
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**Tim Keller**, *Speaker*  
Founder, Redeemer Presbyterian Church  
Author, The Reason for God





# Bexxxxley Roxxx Saturday Night

The Bexxxxley Roxxx Some More concert, which happened Saturday night in the basement of Bexley Hall, featured a number of MIT student bands. The concert led off with KC Quilty, which was followed by The Lemon Squares, The Johnson/Fleder Sub-Trio and the carrie okie band (aka Fortran). The Peaches capped the concert with an encore performance.

(clockwise from above)  
Guest bass guitarist Jack Murphy '10 (left) and drummer Michael S. Fleder '08 glance at each oth-

er during the performance by the Johnson/Fleder Sub-Trio, which featured Murphy and DJ Shifttee.

Jon "Okie" Williams '07 of the carrie okie band (aka Fortran) plays the drums with a "Hello, World" program, written in the Fortran 77 programming language, on his chest.

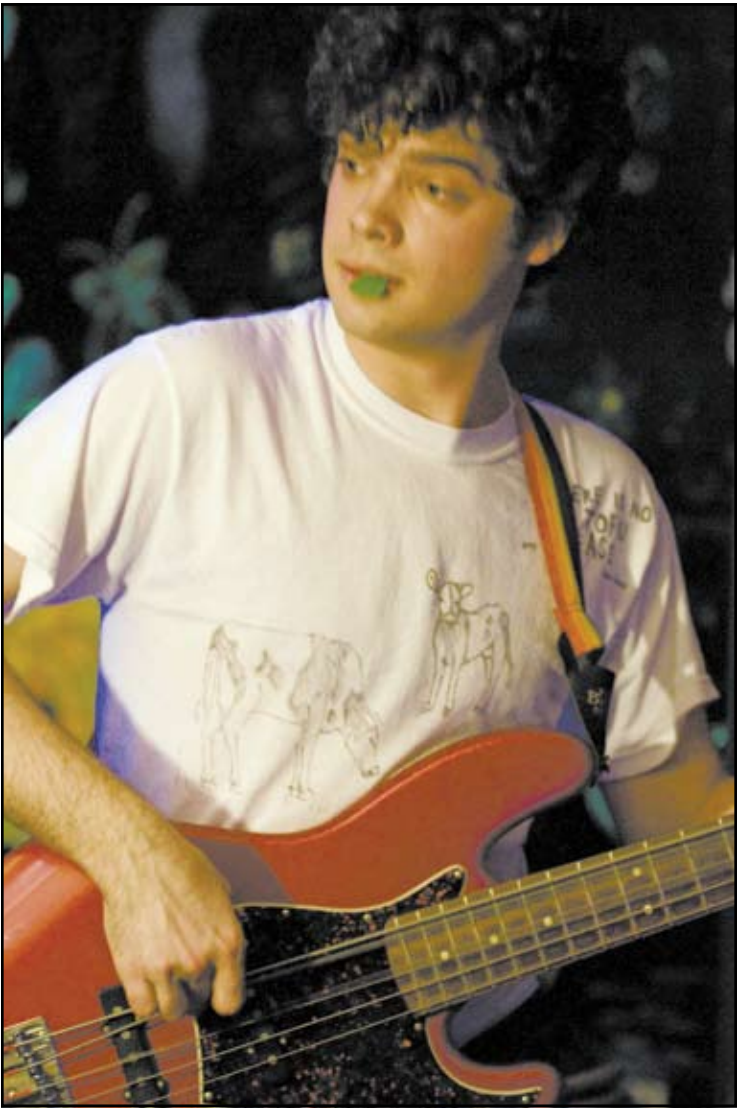
William R. Bosworth '08 sings while playing lead guitar for The Peaches during an encore performance.

Jonathan S. Krones '07 plucks the strings of his bass guitar during The Peaches' set.

DJ Shifttee (Sam Zornow of Harvard University, left) plays a beat as Collin E. Johnson G takes a break from playing the saxophone.

Carrie A. McDonough '08 plays lead guitar between verses during the performance by the carrie okie band (aka Fortran).

Photography by Omari Stephens





# A Cappella Groups Find Recording Time Elsewhere

Logs, from Page 1

this past fall. Some amendments suggested increasing the time provided by the Logs to the other a cappella groups, while other amendments proposed more flexibility in the scheduling of the studio. Currently, groups must schedule all of their individual weeks at the beginning of each two-year period, and specific hours for each week must be scheduled at least one week in advance of the predetermined week. The agreement stipulates fines for groups found using the studio outside of their scheduled hours.

To pass, amendments require unanimous consent from all of the a cappella groups; none of the amendments passed.

The president of the Toons, Praveen Subramani '10, explained that "the process of a cappella recording has changed a lot in the last five years." Tastes have shifted toward favoring "more of a processed sound," so it "takes a lot more time and resources to record an a cappella CD."

Subramani also felt that the recording studio was "not being used to its full potential." For the Toons, "our goal basically is to increase the utility of the studio," he said. He also added that "it would be great if it was truly a shared resource among all the groups."

The Logarithms presented a different view of the situation. Michael R. Miller, '09, music director for the Logs, said "the real problem isn't that there isn't enough time but that they're not using it efficiently." With too many hours, groups tend to goof off in the studio instead of productively recording, a tendency that Miller said that the Logs had experienced. Having a limitation on hours "will help people get work done," he said.

In regards to proposals for more flexible scheduling, Stephane C. Essama '08, former president of the Logs, said that the Logs "wanted to preserve our ability to use the studio." Benjamin A. Bloomberg '11, studio manager for the Logs, said, "we feel that we want to be able to go in there any time [when inspira-

tion hits, to record]." Essama added that the proposals for more flexible scheduling were, in the Logs' view, too imprecise and "too hard to implement."

### Groups find more recording time elsewhere

Instead of seeking changes to the recording studio agreement, some groups have developed other means to increase the recording time available to them.

Resonance, which has purchased its own Pro Tools system, does not depend on the Logs' studio, said Resonance president Levi M. Schmidt '10. He said that Resonance is "satisfied with the negotiation that we had and the agreement that was reached." Other than the cost of a Pro Tools system, "it's pretty easy to set up a studio," he said. Only some ceiling tiles, a microphone, and a room are needed, according to Schmidt.

The Muses have taken advantage of their producer's studio in Boston to procure additional recording hours. Use of that studio was included in their CD producer's fixed rate, said Shanying Cui '09, president of the Muses. "We really weren't too concerned [about the agreement]," said Cui. "More hours couldn't hurt," she added, but, echoing the opinion of the Logarithms' music director, she said that "if you give someone too many hours, the productivity goes down."

The Chorallaries have their own portable sound booth, a single-capacity padded box that was constructed by one of their alumni (according to Essama, a cappella recordings are usually recorded one singer at a time). Tess E. Wise '10, the Chorallaries' representative to the fall meetings, said that, even though "modern a cappella recording is a huge time drain," the availability of their own makeshift booth caused the Chorallaries to be "satisfied with the numbers of hours we had." She said, "we aren't desperate for more." On the other hand, Wise added that "in an ideal world, we'd like more hours."

### Groups satisfied with Logs ownership

During the construction of the

studio, the Chorallaries had expected to be able to buy in to an equal partnership with the Logs in return for office space that they lost to the studio, according to an April 2003 article in *The Tech*. However, the Logs never offered a partnership. Nevertheless, Wise said that the Logs have "put a lot more technology into the studio than was originally planned, so it makes sense for them to be in charge." Wise added, "We really appreciate what the Logs are doing" in spending the time to manage the studio.

Essama echoed the sentiment that it is the Logs' contribution of time more than money that makes it fair for them to maintain primary ownership of the studio. In building and operating a studio, "it's the amount of man-hours that's the limit, not the cost," said Essama.

### Concerns still remain

In addition to free hours, the agreement allows groups to purchase additional studio hours from the Logs. According to the text of the agreement, funds from these charges and fines stemming from misuse of the studio are to be used "solely

for studio upkeep, maintenance, upgrades and overhead." According to Miller, the rates provided by the agreement are significantly below those found at other Boston-area recording studios.

However, Hans E. Anderson '08, chair of the Undergraduate Association Finance Board, expressed reservations about offering groups funds to take advantage of this provision. "We don't want to give money to a student group to give to another student group," he said.

In addition, Anderson expressed concerns over the supposed confidential nature of the agreement. "CONFIDENTIAL — DO NOT DISTRIBUTE OR DUPLICATE" is written at the bottom of all of the pages of the agreement document itself. None of Bloomberg, Essama, or Miller knew the reasoning behind this notice, and Essama said he would have to talk to Logs alumni to find out. A *Tech* reporter was sent a copy of the agreement from an a cappella group member.

The Logarithms built the studio in spring 2003 using a combination of their own funds, interest-free

loans from some of their members' parents, and an interest-free loan from the UA. The loans have since been paid off by the Logs.

In order to consolidate enough space for the Logs to build a recording studio, in 2003, the other a cappella groups relinquished the joint office space allocated to them by the Association of Student Activities. The original plans also included the prospect of other groups being able to buy in to a partnership in running the studio, but friction developed when the Logs decided not to extend partnerships and claimed full ownership.

These issues were once again brought to the forefront in the fall of 2006 when the UA Senate passed a bill to improve the terms of use for the studio in light of repeated requests to the UA Finboard for funding to record off campus. The bill was vetoed by then UA President Andrew T. Lukmann G, and the debate evolved into a more general discussion of student group property rights.

Since then, said Anderson, "from a Finboard perspective, [this] issue has panned itself out."



ANDREA ROBLES—THE TECH

Michael R. Miller '09 (right) and Michael E. Lee '09 work on recording the Logs' new CD on Saturday in the Logs' recording studio on the third floor of Walker Memorial.

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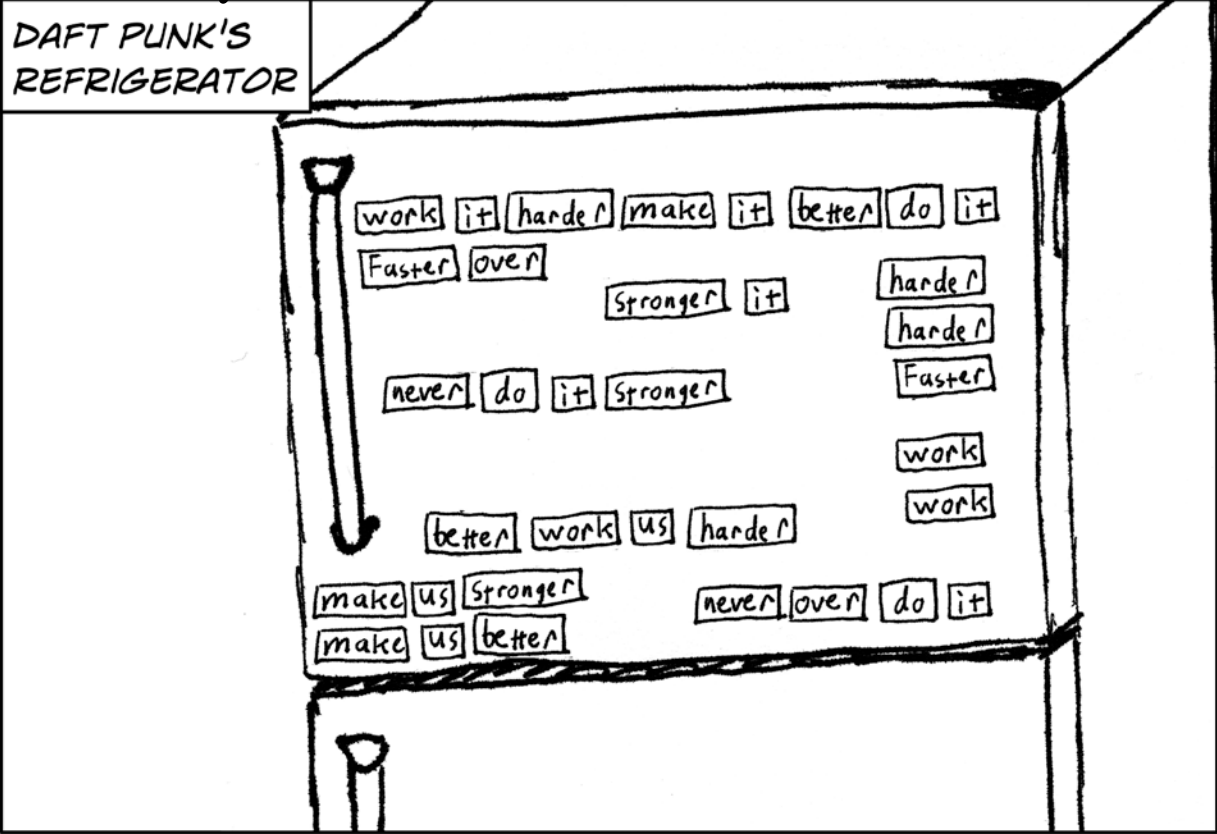
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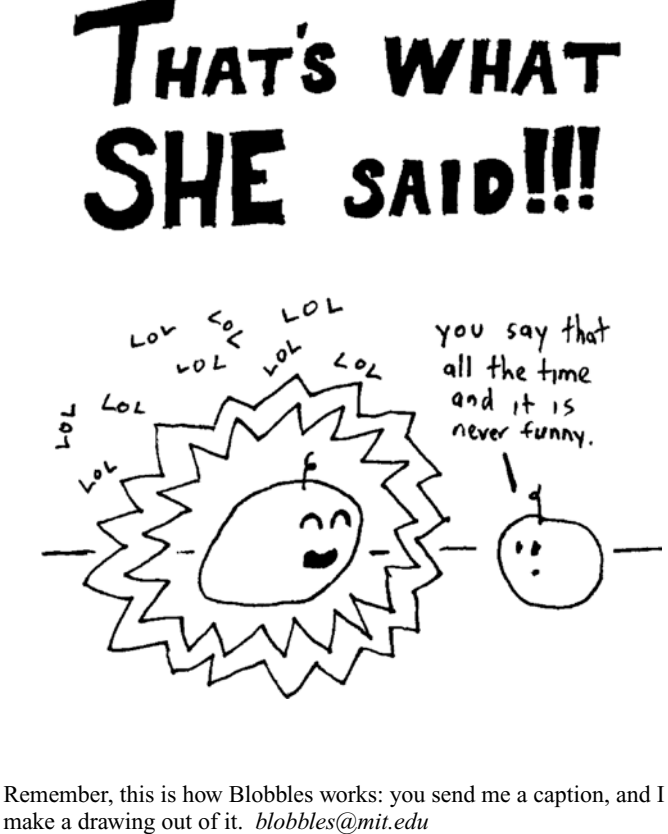
Steal My Comic

by Michael Ciuffo



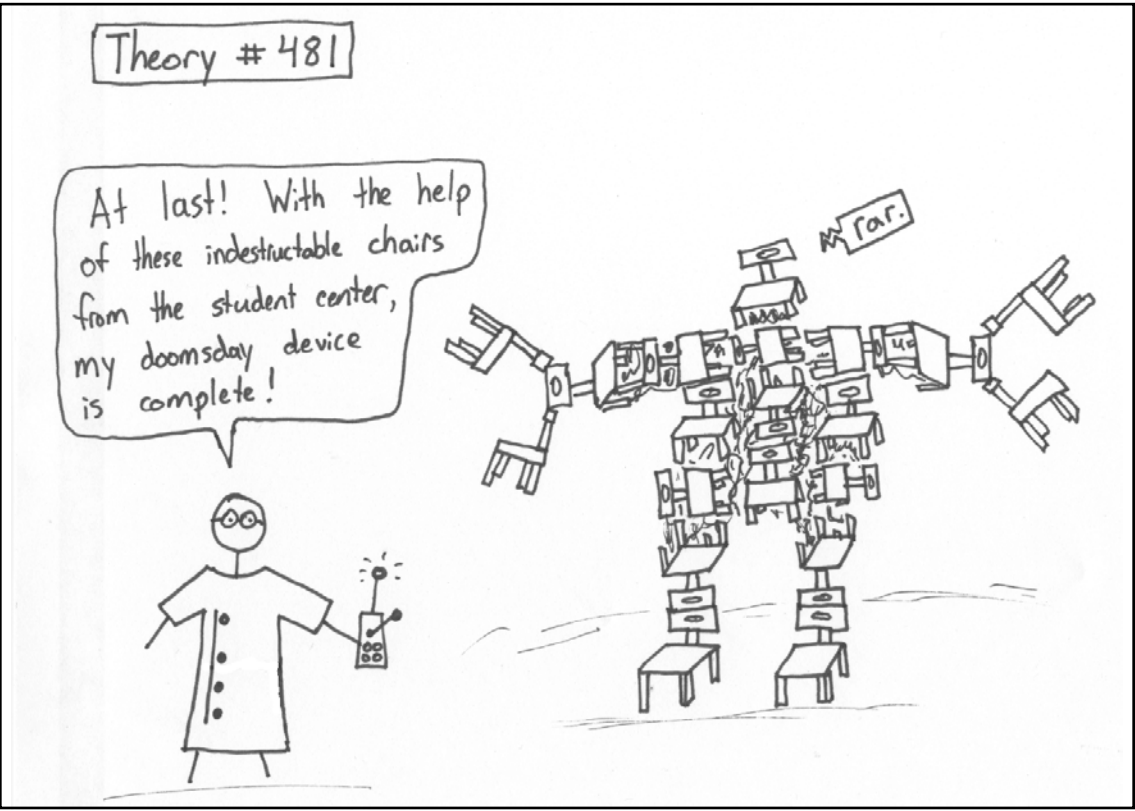
Blobbles

by Jason Chan



The Daily Blunderbuss

by Ben Peters



su | do | ku

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9. Solution on page 12.

© Puzzles by Pappocom

			3					7
9								1
5		6		8				
	9	5	8	7				
	1						6	
				9	1	2	5	
				5		1		6
4								2
1					4			

Solution, tips, and computer program at <http://www.sudoku.com>

Crossword Puzzle

Solution, page 12

ACROSS

- 1 Motion measure
- 6 Necklace fastener
- 10 Ostentatious display
- 14 Fashionably nostalgic
- 15 Actor Morales
- 16 Sixth Hebrew month
- 17 Street talk
- 18 Occupy completely
- 19 Mezzo-soprano Stevens
- 20 High daydreams?
- 23 Shoebox letters
- 24 Geek's pal
- 25 Quarterback Marino
- 28 Signaled the butler
- 31 Corporate shark
- 35 News org.
- 36 Tinkers to \_\_ to

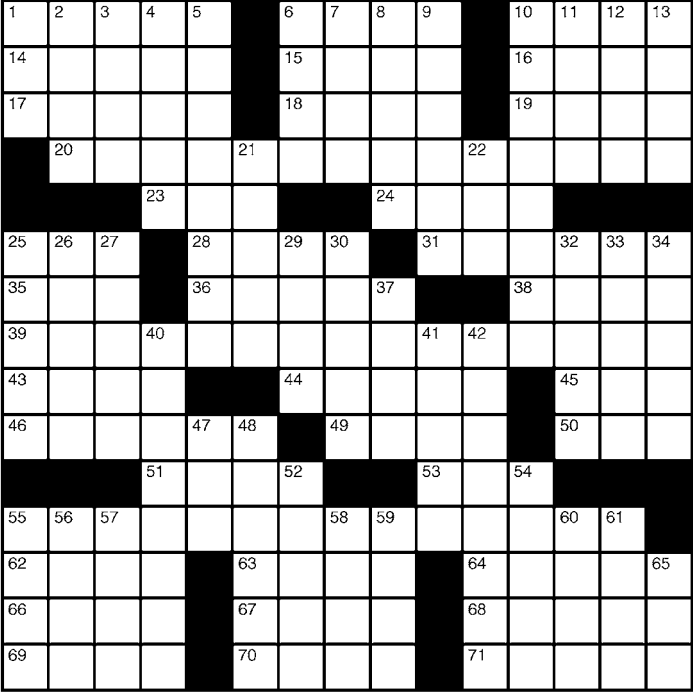
Chance

- 38 Ward of "The Fugitive"
- 39 High homes?
- 43 Relative diagram
- 44 Nixon's Agnew
- 45 Half a fly?
- 46 Wading birds
- 49 Paris summers
- 50 That girl
- 51 Agatha's contemporary
- 53 Appropriate
- 55 High hopes
- 62 Colorful fish
- 63 Clamorous
- 64 Ensnares
- 66 \_\_ Alto, CA
- 67 Bologna eight
- 68 Bandleader Shaw
- 69 Verve
- 70 "Subway Series" team
- 71 Sierra \_\_

DOWN

- 1 Yrbk. section
- 2 Ill-gotten gains
- 3 List ender
- 4 "Cheers" bartender
- 5 Amateurish verse
- 6 Try out for weight
- 7 With defects and all
- 8 Beauty spot?
- 9 Swipe
- 10 Utopia
- 11 Host of Valhalla
- 12 Fem.'s opp.
- 13 Quarry
- 21 \_\_ ho!
- 22 Monk's title
- 25 Enclosed channels
- 26 Not together
- 27 First generation Japanese-American

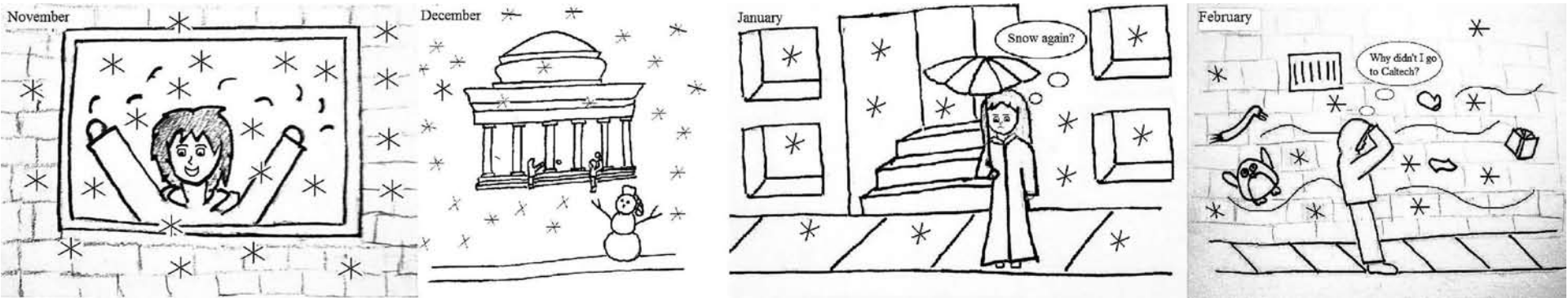
- 29 Scottish headland
- 30 Complain
- 32 "\_\_ in Venice"
- 33 Beethoven dedicatee
- 34 More scarce
- 37 Brief bad mood
- 40 Fundraising broadcast
- 41 Pick up the tab
- 42 Medical facility
- 47 Test out
- 48 Ski race
- 52 Overact
- 54 Braves catcher of the '60s
- 55 Gentle pace
- 56 Iridescent gem
- 57 FDR's pooch
- 58 Ram
- 59 Marriage vows
- 60 W. def. grp.
- 61 Create yarn
- 65 What'd I tell ya?





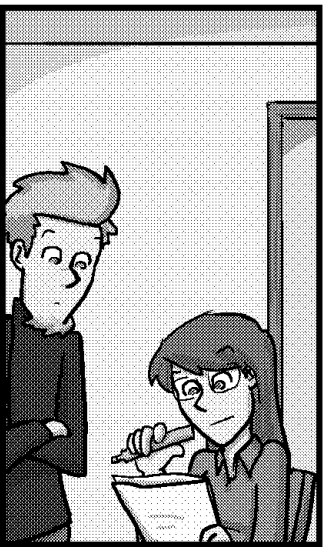
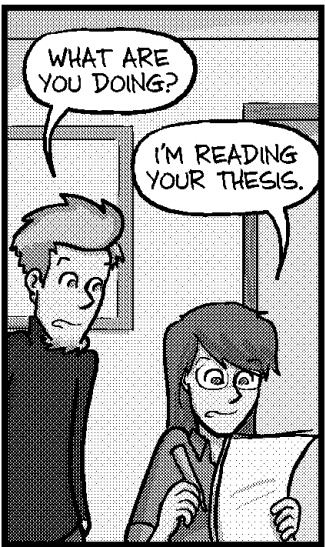
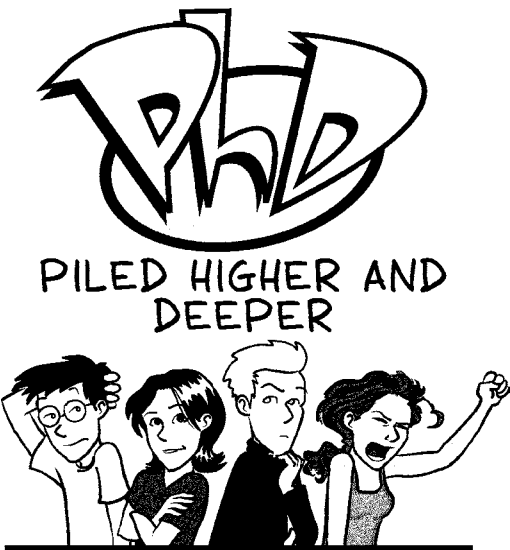
Reconsidering Winter

by Letitia Li

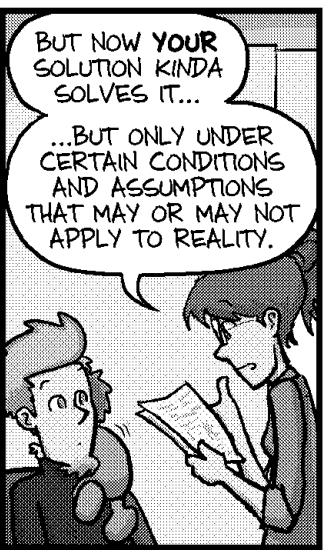
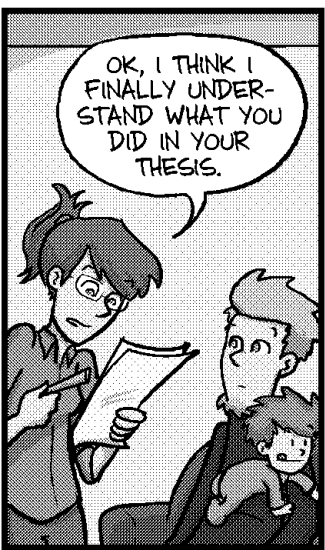
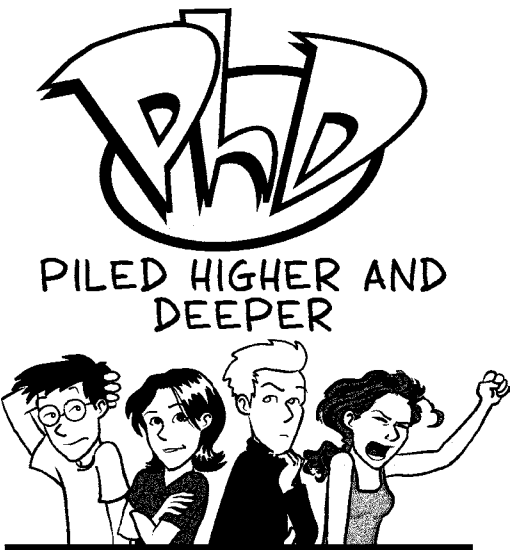


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# People Illogically Keep Options Open, Says MIT Professor Ariely

**By John Tierney**  
*THE NEW YORK TIMES*

The next time you're juggling options which friend to see, which house to buy, which career to pursue — try asking yourself this question: What would Xiang Yu do?

Xiang was a Chinese general in the third century B.C. who took his troops across the Yangtze River into enemy territory and performed an experiment in decision-making. He crushed his troops' cooking pots and burned their ships.

He explained this was to focus them on moving forward — a motivational speech that was not appreciated by many of the soldiers watching their retreat option go up in flames. But Xiang would be vindicated, both on the battlefield and in the annals of social science research.

He is one of the role models in Dan Ariely's new book, "Predictably Irrational," an entertaining look at human foibles like the penchant for keeping too many options open. Xiang was a rare exception to the norm, a warrior who conquered by being unpredictably rational.

Most people can't make such a painful choice, not even the students at a bastion of rationality like the Massachusetts Institute of Technology, where Ariely is a professor of

behavioral economics. In a series of experiments, hundreds of students could not bear to let their options vanish, even though it was obviously a dumb strategy (and they weren't even asked to burn anything).

The experiments involved a game that eliminated the excuses we usually have for refusing to let go. In the real world, we can always tell ourselves that it's good to keep options open.

You don't even know how a camera's burst-mode flash works, but you persuade yourself to pay for the extra feature just in case. You no longer have anything in common with someone who keeps calling you, but you hate to just zap the relationship.

Your child is exhausted from after-school soccer, ballet and Chinese lessons, but you won't let her drop the piano lessons. They could come in handy! And who knows? Maybe they will.

In the MIT experiments, the students should have known better. They played a computer game that paid real cash to look for money behind three doors on the screen. (You can play it yourself, without pay, at [tierneylab.blogs.nytimes.com](http://tierneylab.blogs.nytimes.com).) After they opened a door by clicking on it, each subsequent click earned a little money, with the sum varying each

time.

As each player went through the 100 allotted clicks, he could switch rooms to search for higher payoffs, but each switch used up a click to open the new door. The best strategy was to quickly check out the three rooms and settle in the one with the highest rewards.

Even after students got the hang of the game by practicing it, they were flummoxed when a new visual feature was introduced. If they stayed out of any room, its door would start shrinking and eventually disappear.

They should have ignored those disappearing doors, but the students couldn't. They wasted so many clicks rushing back to reopen doors that their earnings dropped 15 percent. Even when the penalties for switching grew stiffer — besides losing a click, the players had to pay a cash fee — the students kept losing money by frantically keeping all their doors open.

Why were they so attached to those doors? The players, like the parents of that overscheduled piano student, would probably say they were just trying to keep future options open. But that's not the real reason, according to Ariely and his collaborator in the experiments, Jiwoong Shin, an economist who is now at Yale.

They plumbed the players' motivations by introducing yet another twist. This time, even if a door vanished from the screen, players could make it reappear whenever they wanted. But even when they knew it would not cost anything to make the door reappear, they still kept frantically trying to prevent doors from vanishing.

Apparently they did not care so much about maintaining flexibility in the future. What really motivated them was the desire to avoid the immediate pain of watching a door close.

"Closing a door on an option is experienced as a loss, and people are willing to pay a price to avoid the emotion of loss," Ariely says. In the experiment, the price was easy to measure in lost cash. In life, the costs are less obvious — wasted time, missed opportunities. If you are afraid to drop any project at the office, you pay for it at home.

"We may work more hours at our jobs," Ariely writes in his book, "without realizing that the childhood of our sons and daughters is slipping away. Sometimes these doors close too slowly for us to see them vanishing."

### Daily Meditation

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- 'Abdu'l-Bahá

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### Solution to Crossword

from page 10

S	P	E	E	D	H	A	S	P	P	O	M	P
R	E	T	R	O	E	S	A	I	A	D	A	R
S	L	A	N	G	F	I	L	L	R	I	S	E
F	L	I	G	H	T	S	O	F	F	A	N	C
E	E	E	E	E	N	E	R	D				
D	A	N	R	A	N	G	R	A	I	D	E	R
U	P	I	E	V	E	R	S		S	E	L	A
C	A	S	T	L	E	S	I	N	T	H	E	A
T	R	E	E		S	P	I	R	O		T	S
S	T	I	L	T	S	E	T	E	S	H	E	R
E	R	L	E		A	P	T					
L	O	F	T	Y	A	M	B	I	T	I	O	N
O	P	A	H		L	O	U	D		T	R	A
P	A	L	O		O	T	T	O		A	R	T
E	L	A	I	N	M	E	T	S		L	E	O


### Solution to Sudoku

from page 10

2	4	1	3	6	9	5	8	7
9	8	7	4	2	5	6	3	1
5	3	6	1	8	7	9	2	4
6	9	5	8	7	2	4	1	3
8	1	2	5	4	3	7	6	9
3	7	4	6	9	1	2	5	8
7	2	3	9	5	8	1	4	6
4	5	8	7	1	6	3	9	2
1	6	9	2	3	4	8	7	5

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# Building Will House Researchers, Center For Cancer Research

**Cancer Building**, from Page 1

six weeks to move [all the occupants of the building] in.”

The CCR currently occupies space in Buildings E17 and E18, according to Gibson. “We haven’t decided what E17 and E18 will be used for” after the CCR moves into the Koch Institute for Integrative Cancer Research, Gibson said.

\$100 million of the \$240 million needed for the construction of the building will be provided by David Koch ’62. “Koch has a long-standing interest in biomedical research,” Gibson said.

Gibson said that there were regular meetings with faculty during the planning and design of the building. “We started meeting with the ar-

chitects [Ellenzweig] in December 2006,” Gibson said. Ellenzweig, a local architecture firm, designed the Tang Auditorium in 1992 and renovated Buildings 16 and 56 in the late 90’s.

The parking lot currently located on the construction site will stay open until Apr. 1, according to May. “That parking lot is no longer going to exist,” and will be replaced by parking space in the new Sloan building, Gibson said. Gibson said that people who park at the proposed site have started using the parking lots in the basement of Stata.

The food trucks on the proposed location will be moved at the end of March to Carlton Street, next to the MIT Medical building, according to Gibson.

# Bandwidth Limitations On BitTorrent May Be Banned by FCC Ruling

**FCC**, from Page 1

political obstacles and is unlikely to be adopted this year. But the debate over it has set off a fierce lobbying war.

The commission has been considering complaints made by Vuze, BitTorrent and several consumer groups that Comcast has violated a policy statement issued by the commission in 2005 that permits Internet service providers to engage in “reasonable network management.” The term has become a focal point in the revived debate over what is called network neutrality.

In his written testimony, David L. Cohen, an executive vice president of Comcast, told the commissioners that the growing popularity of peer-to-peer applications was straining the network.

“Independent research has shown that it takes as few as 15 active Bit-

Torrent users uploading content in a particular geographic area to create congestion sufficient to degrade the experience of the hundreds of other users in that area,” Cohen said. “Bandwidth-intensive activities not only degrade other less-intense uses, but also significantly interfere with thousands of Internet companies’ businesses.”

“Far from managing our network in a discriminatory way to benefit our own offerings — other than managing our network to make our high-speed Internet service faster and better — our limited network management practices ensure that everyone else’s applications and services, even those that may compete with our services and use P2P protocols, work,” Cohen said.

But Markey expressed concerns about Comcast’s practice, warning of “the transformation of BitTorrent into bit trickle.”



ERIC D. SCHMIEDL—THE TECH  
**Gruff Rhys leads Welsh psychedelic rock band Super Furry Animals during their performance at the Paradise Rock Club in Boston this past Saturday.**

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# Morton Leads Tech as Engineers Edged by Williams

Track, from Page 16

M. Finn '09 and Jennifer A. Doyle '09 placed in the top 20, while Anna M. Holt-Gosselin '11, Hana L. Adaniya '08, and Lauren L. McCarthy '08 made the top 20 in the 5000-meter run to represent MIT well in the distance events.

Bradshaw, Bolger, Veldhuis and Wentz then teamed up for a fourth place finish in the 4x800-meter relay, just off of another record-setting pace. The relay cemented MIT's overall third place finish, behind Tufts University and Williams College.

Men Place Third

The men's track and field team outperformed their seed points over the weekend, with many great efforts and personal bests. Based on seed times and marks from throughout the season, the team was expected to take third, but Williams College and Tufts University, MIT's biggest rivals year after year, were seeded only a little bit ahead. MIT's performance was not good enough to move up in the standings though, as Tufts captured first place at their home track, with Williams grabbing second place.

MIT's lone entrant in the pentathlon on Friday was Nicholas W. Leonard '11, who set personal bests in four of the five events en route to an 11th place finish. Several members of the team made it out to cheer him on, and that great team support would continue throughout the weekend.

The pole vaulters stepped up on Saturday with some great performances. Omari S. Stephens '08 won the event with a vault of 14'11", while fellow senior Patrick R. Baragan '08 cleared a personal best 13'11.25", good for sixth place. Greg D. Tao '10 rounded out the scoring places with a vault of 13'5.25". In the shot put, James R. Oleinik '09 threw a season best of 48'1.75" to

capture fourth place, even though he had been seeded fifth.

Stephen A. Morton '10 had an impressive day at the meet, winning two events, taking second in another, and running the first leg of the fourth place 4x400-meter relay. Seeded first in the long jump, Morton trailed in second place for most of the event until his final jump, when he flew 22'5.75" for the win. He won the triple jump once again on his last jump, nailing a personal best 47'1.75". In the 200-meter dash, after winning his heat in the trials and earning a spot in the fast section of the finals, he ran a flat-track best of 22.41 seconds for second place.

Morton was not the only MIT jumper who had a great day on Saturday. Co-captain Anthony D. Teixeira '08 had a great jump of 21'2" to take seventh in the long jump, improving on his tenth place seed. In the triple jump, Teixeira again grabbed seventh place with a distance of 45'5.25", followed by teammate Mattias S. Flander '11, who jumped 45'3.5". Teixeira capped off a great day with a fourth place performance in the 55-meter hurdles. His time of 7.87 seconds cracked the top ten all-time list for MIT.

On the track, the MIT runners put in some great performances. Stephen W. Oney G led off the scoring with an eighth place 51.13 seconds effort in the 400-meter run, a flat-track personal best. Meanwhile, John A. Granata '11 tried hard to make a move on the final lap of the 600-meter, but could not get around the leaders. Nevertheless, he placed fifth with a personal best 1:22.91, bettering his sixth place seed. William S. Phipps '10 ran a great race in the 800-meter with a time of 1:57.13.

Jeremiah "Yermie" R. Cohen '09 had one of the toughest performances of the day in the mile race, where he grabbed seventh place in 4:18.28 despite running on an injured right

ankle. Unfortunately, he was unable to compete in the 1000-meter or the 3200-meter relay due to the injury.

MIT picked up some big points in the distance events. Co-captain Joseph D. Roy-Mayhew '08 took the lead in the 3000-meter with 1300-meter to go, trying to break up the pack. He was out-kicked by two runners in the last two laps but took third overall in 8:42.55. Gihan S. Amarasiriwardena '11 had a great race as well, with his 8:50.14 earning him sixth place.

The next race was the 5000-meter run. Christopher Wong '08 ran a smart race, staying back in the pack before grabbing the lead with less than 800 meters to go. With his characteristic finishing kick, he held onto second place in 15:08.38, a personal best. Also securing a personal best with a great race was M. Brian Jacokes '08, who ran 15:15.48 for seventh place.

The final events on the track were the relays. Four freshman (Kevin G. Kleinguetl, Nicholas W. Leonard, Shawn S. Conrad, Paul D. Welle) composed MIT's distance medley relay team. Kleinguetl, who also ran the 1000-meter, led off the 1200-meter leg in 3:13, trailing the leaders a few places back. Leonard and Conrad kept it close, handing off to Welle who had the 1600-meter anchor leg. He went out hard and closed the gap, but could not keep up his fast pace, holding on for third place overall. Their 10:29.65 finish was a freshman record, and would have won the event last year.

In the 1600-meter relay, Morton handed off in fifth place to start off for MIT, fatigued from his long day. Oney and Matthew F. Bieniosek '09 followed him with solid legs before handing off to Granata for the anchor. Granata ran a solid 50.0 second anchor leg to bring MIT to fourth place in 3:25.61.

The 3200-meter relay was the final event of the day. By this point, Tufts University had locked up the win, but MIT trailed Williams College by only one point for second. David N. Reshef '08 led off for MIT with a solid leg, handing off right with the Williams runner. Richard J. Prevost '11 ran a great second leg, followed by a strong showing from Peter J. Mulligan '08 and Phipps. The relay was intense, with MIT runners jumping ahead of the Williams runner at the midpoint and trying to break away. Unfortunately, the Williams relay team pulled away to finish second place, ahead of MIT's fifth place time of 7:58.78.

The team support was fantastic throughout the meet. If an athlete was not warming up or competing, he was cheering on his teammates. Joining those competing were many team members, past and present, who came out to support the effort. Chants of "MIT" could be heard all day long at the shot put, the long jump pit, and the backstretch of the track.

As some athletes take a week off to prepare for the outdoor track and field season, many will still be competing in the weeks ahead, at the All-New England's, the Eastern College Athletic Conference championships, and the National Division III Championship meet.

## O'Keeffe Wins 400-yd IM, 1650-yd Freestyle

Swimming, from Page 16

400-yard medley relay, elicited a third-place showing for MIT's squad of Jacobi, O'Keeffe, Chao, and Brophy, as the crew touched the wall at 4:05.20. Tech's "B" relay team earned the victory in the consolation final, as Lauren R. Hernley '11, Clark, Ellie S. Souganidis '10 and Kristen M. Felch '09 finished with an impressive time of 4:12.03.

Day 2

Behind First Team All-Conference performances from O'Keeffe in the 400-yard individual medley and Jacobi in the 100-yard butterfly, the team solidified its second-place position during day two of the competition.

O'Keeffe's winning time of 4:38.15 in the 400-yard individual medley not only met the NCAA "B" cut standard in the event, but it also completely blew away the rest of her competition. Her finish in the evening's finals was over seven seconds faster than her own qualifying time and nearly a full eight seconds quicker than runner-up Jenny Wu of Wellesley.

Just as impressive was Jacobi's performance in the 100-yard butterfly. The rookie finished with a time of 57.67 seconds, re-establishing the NEWMAC Open and Championship record that she had just set hours earlier in the preliminaries, as well as claiming one of the top 10 fastest times in Division III. Following closely behind Jacobi were Chao (59.75 seconds, fourth-place) and Souganidis (1:00.38, sixth-place) to give the Engineers a major share of the event's points.

Brophy also reached an NCAA "B" cut in the 200-yard freestyle, touching the wall at 1:55.19 to earn Second Team All-Conference honors and miss out on winning the event by just 0.26 seconds. Teammate King finished fifth with a time of 2:00.22.

Brophy garnered additional All-Conference plaudits in the 800-yard freestyle relay, as she led off the quartet that finished as runners-up.

Along with O'Keeffe, King, and Jacobi, Brophy helped the team finish the race in an NCAA "B" cut time of 7:49.53, just 0.28 seconds slower than the winning squad from Springfield.

MIT picked up a fourth-place finish in the evening's other relay, the 200-yard medley. Chao, O'Keeffe, Souganidis, and King clocked in at 1:55.06, beating Babson's "A" squad by a mere one one-hundredth of a second.

Day 3

O'Keeffe opened the final day of competition in fine fashion for MIT, notching First Team All-Conference honors in the 1,650-yard freestyle by finishing with an NCAA "B" cut time of 17:41.52. The junior closed the weekend with two First Team and three Second Team accolades.

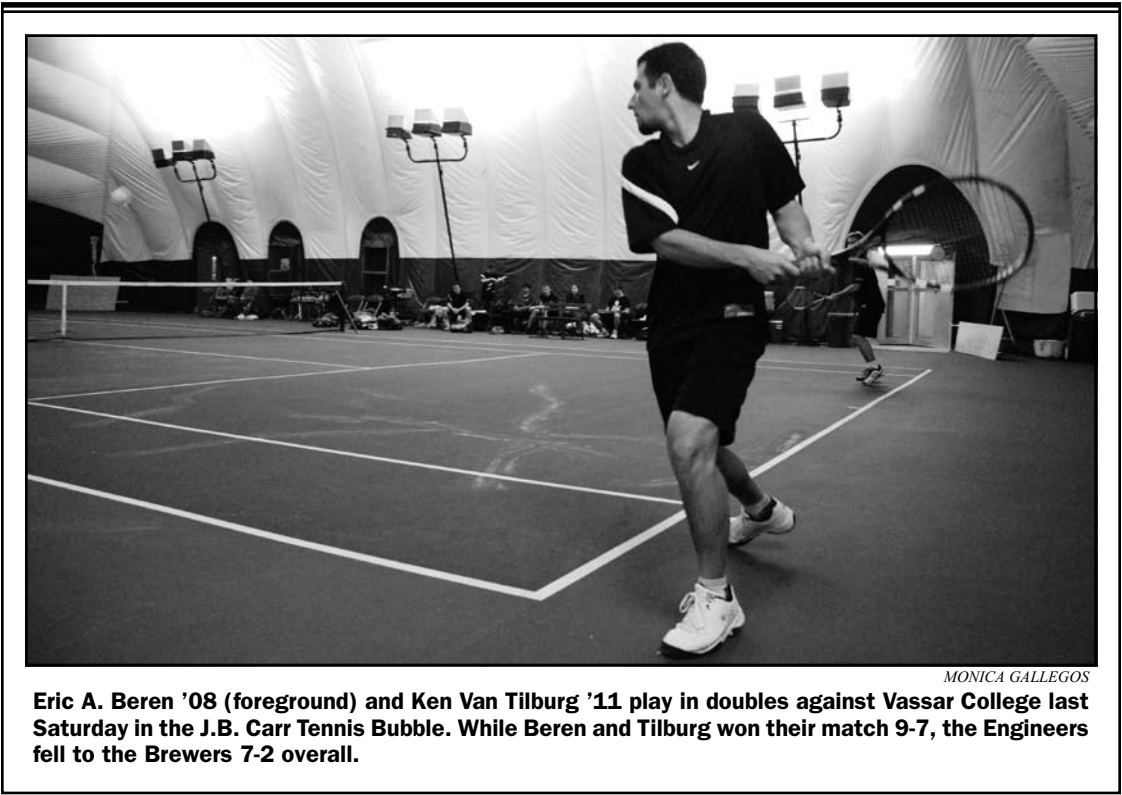
Hernley followed with an eighth-place showing in the 200-yard backstroke (2:19.71), before fellow rookie Jacobi won the 100-yard freestyle by touching the wall first at 53.15 seconds, earning yet another NCAA "B" cut. Like her teammate O'Keeffe, Jacobi racked up two First Team and three Second Team All-Conference honors over the course of the weekend.

Next up was the 200-yard breaststroke, in which Souganidis provided Tech's top finish by placing sixth in a time of 2:34.46. Thanks in part to other point-scoring performances from Ariadne G. Smith '10, Clark, Caroline S. Lowenthal '09, Katrina M. Sorensen '08 and Kaidi Wang '09, the Engineers overtook the Pride to slip into first-place by 10.5 points following the event.

MIT increased its lead to a full 22.5 points following the 200-yard butterfly, as Chao (2:14.96, fourth-place), Felch (2:18.73, sixth-place) and Annika S. Larsson '08 (2:24.67, eighth-place) secured crucial finishes.

Springfield regained the lead though in the three-meter diving competition, despite Holbrook providing yet another phenomenal performance. The two-time three-meter diving national champion posted a score of 538.15 in the preliminaries, before completely shattering her own NEWMAC Open, Championship and Institute record of 553.30 just hours later by posting an astonishing 593.30 in the finals. Although MIT racked up 20 points thanks to Holbrook's First Team All-Conference showing, the Pride's Erin White, Melissa Nelson, Michelle Reggio and Meghan Kijanka finished fourth through seventh to secure 53 points and give Springfield a 659.5-655 lead heading into the competition's final event, the 400-yard freestyle relay.

MIT's quartet of Jacobi, Kaitlyn M. Creasey '11, King and Brophy jumped out to an early lead in the event, but Springfield's squad made up the difference to finish with the winning time of 3:34.81, besting their preliminary qualifying time by nearly 17 seconds. Tech's team clocked in at 3:36.92, good enough for Second Team All-Conference accolades but just short of an elusive NEWMAC title.



Eric A. Beren '08 (foreground) and Ken Van Tilburg '11 play in doubles against Vassar College last Saturday in the J.B. Carr Tennis Bubble. While Beren and Tilburg won their match 9-7, the Engineers fell to the Brewers 7-2 overall.

## SCOREBOARD

<b>Women's Basketball</b>	<b>Men's Tennis</b>	<b>Wrestling</b>
<b>Saturday, Feb. 23, 2008</b>	<b>Saturday, Feb. 23, 2008</b>	<b>Sunday, Feb. 24, 2008</b>
MIT (12-13, 4-9 NEWMAC <sup>1</sup> ) 44	Vassar College (3-0) 7	NECCWA <sup>2</sup> Tournament
Worcester Polytechnic Institute (14-9, 9-4) 58	MIT (1-1) 2	MIT 12th of 15
<b>Men's Gymnastics</b>	<b>Men's Track</b>	<b>Women's Ice Hockey</b>
<b>Saturday, Feb. 23, 2008</b>	<b>Sunday, Feb. 24, 2008</b>	<b>Friday, Feb. 22, 2008</b>
College of William and Mary (3-2) 341.15	New England Division III Championships	Salve Regina (8-13-2, 7-9-1 ECAC <sup>3</sup> East)
MIT (0-4) 322.70	MIT 3rd of 21	MIT (1-15-2, 1-14-2) Postponed
<b>Women's Gymnastics</b>	<b>Women's Track</b>	<b>Saturday, Feb. 23, 2008</b>
<b>Sunday, Feb. 24, 2008</b>	<b>Sunday, Feb. 24, 2008</b>	MIT (1-16-2, 1-15-2) 0
MIT (6-9) 180.575	New England Division III Championships	Salve Regina University (9-13-2, 8-9-1) 4
Springfield College (6-8) 185.150	MIT 3rd of 25	
<b>Women's Swimming and Diving</b>	<b>Men's Volleyball</b>	
<b>Sunday, Feb. 24, 2008</b>	<b>Saturday, Feb. 23, 2008</b>	
NEWMAC Championships	New York University (10-5) 3	
MIT 2nd of 10	MIT (11-8) 0	

<sup>1</sup>New England Women's and Men's Athletic Conference

<sup>2</sup>New England College Conference Wrestling Association

<sup>3</sup>Eastern College Athletic Conference

For full results, see [www.mitathletics.com](http://www.mitathletics.com).

<sup>1</sup>New England Women's and Men's Athletic Conference  
<sup>2</sup>New England College Conference Wrestling Association  
<sup>3</sup>Eastern College Athletic Conference

For full results, see [www.mitathletics.com](http://www.mitathletics.com).



SPORTS

Engineers Finish Third at New England Div. III Championships

By Peter J. Mulligan  
and Leanne M. Veldhuis  
TEAM MEMBERS

The men's and women's track and field team came through across the board at the New England Division III Indoor championships this past weekend, as both teams took third place. On the women's side, the finish was the best in

MIT's history. The women set the tone early in the field events, starting with the pole vault. Emily Hwang '09 cleared 10'11.75" on her way to first place, while Karin E. Fisher '11 finished seventh. Aline Thomas '08 led the way in the throwing events, surpassing her seed to finish second in the weight throw with a toss of 49'.25". Thomas placed fourth in the shot put

after a throw of 39'1.25". On the track, Amy R. Magnuson '10 set an Institute record in the 55-meter hurdles, after winning the event with a career-best, NCAA automatic qualifying time of 8.26 seconds. The sophomore added to that victory with a fourth place showing in the long jump and finished seventh in the triple jump. Margaret C. Leibovic '10 blazed through the 55-meter dash preliminaries with a new Institute record of 7.51 seconds, going on to finish third in the finals. She also ran the 200-meter dash in one of her fastest times of the season. In a thrilling 800-meter run, Andrea E. Bradshaw '09 knocked almost five seconds off from her previous Institute record, dominating the field and setting a new standard of 2:17.32. Bradshaw took second place

in the event, losing in a photo finish to Izzy Alexander of Bates College. The Engineers continued to accumulate points in the running events. Leanne M. Veldhuis '08 broke a four year old school record in the 600-meter run to take fourth in the event with a time of 1:40.01. Adrienne M. Bolger '09 completed the Engineer's final record performance of the day, finishing the 1000-meter run in 2:59.03 to take second. Jacqueline M. Wentz '10 brought in an 8th place finish in the mile run. A key rookie performance of the meet came from Hazel L. Briner '11, who finished fifth in the pentathlon. Of the five events, Briner won the shot put en route to an overall finish of 2,594 points. In the 3000-meter run, Elizabeth

Track, Page 15



William S. Phipps '09 tails the Williams College anchor leg as they run past cheering MIT athletes toward the final lap of the 4x800-meter relay, the final event of the men's New England Division III championships. A finish ahead of Williams in the relay could have pushed the Engineers past Williams into 2nd place in the championship, but the Williams runner held his lead to the finish line. MIT placed 3rd with 101 points, behind Tufts University (118 points) and Williams College (106 points).



Jacob T. Shapiro '11 executes his pommel horse routine in the men's gymnastics competition against the College of William and Mary on Saturday. The Engineers, despite a season-high performance, lost to its Division I opponent 341.15-322.70.

The Tech's Athlete of the Week: Glenn J. Geesman '09

Glenn J. Geesman '09 qualified for the Division III national tournament after bringing down the house with five pins to win the New England College Conference Wrestling Association heavyweight championship this past weekend. After delivering a 6-1 performance in the 285-pound weight class, including five wins by fall that give him 21 pins for the season, Geesman will take his nationwide status to Cedar Rapids, Iowa in two weeks. The junior sensation ranks in the top three in the country in pins in all divisions, while sporting an impressive 31-5 record. Geesman's title makes him the first New England champion from MIT in 13 years, while his trip to the national tournament will be the first for an Engineer wrestler since Gregory T. Walker '03 qualified in 2002. With five pins in a total time of 16:46, Geesman earned recognition for most falls in least time. Overall, MIT (28 points) finished 12th out of 15 teams at the conference meet hosted by the University of Southern Maine. Rhode Island College won the event with a score of 121.

—Jeff Lemieux, DAPER Staff

Holbrook, Jacobi Win Titles as MIT Finishes Second at NEWMACs

By Jeff Lemieux  
DAPER STAFF

With MIT and Springfield College separated by a mere 4.5 points heading into the final event of the New England Women's and Men's Athletic Conference women's swimming and diving championships on Sunday night, both teams knew at the start of the 400-yard freestyle relay that a first-place finish would almost guarantee victory. A mere 3:34.81 later, Springfield's Moira Price touched the wall first, beating out MIT's top team by just over two seconds to give Springfield its eighth consecutive NEWMAC title.

Springfield closed the championships with 707.5 points, edging the Engineers who scored 701 points over the course of the weekend. It's the ninth straight year that MIT has finished second at the conference championships.

Day 1

Sasha B. Brophy '08 and Nicole M. O'Keeffe '09 finished 1-2 in the 500-yard freestyle, earning the Engineers a combined 37 points in the event. With an NCAA "B" cut time of 5:06.50, Brophy nabbed First Team All-Conference honors, while O'Keeffe garnered Second Team accolades with her finishing time of 5:08.77. Diver Doria M. Holbrook '08 eclipsed her own conference record

on the one-meter board to take first-place for the third time in her illustrious career en route to First Team All-Conference honors. Competing in her final NEWMAC Championships, Holbrook's score of 517.45 surpassed her own NEWMAC Open, Championship and Institute record of 513.65, set at last year's Championships. Nearly earning another victory for MIT was the 200-yard freestyle relay team of Amy E. Jacobi '11, O'Keeffe, Sarah B. King '10, and Brophy. The quartet clocked in at 1:38.59, pulling in 34 points and Second Team All-Conference plaudits, while missing out on both the Institute record and a first-place finish by less than two-tenths of a second. Additionally, both Brophy (24.16 seconds) and Jacobi (24.24 seconds) earned NCAA "B" cuts for the 50-yard freestyle with their splits. Jacobi bested the "B" cut time in the 50-yard freestyle for a second time later in the evening, as she touched the wall in 24.30 to earn a tie for fifth-place with Wellesley College's Savanna Johnson. In the 200-yard individual medley, Abigail M. Clark '09 and Jennifer A. Chao '09 placed fifth and sixth, respectively, to pull in a combined 27 points for the Engineers. Clark finished the race in 2:16.13, while Chao followed closely behind at 2:16.40. The evening's final event, the

Swimming, Page 15



Praveen Pamidimukkala '08 serves during Saturday's volleyball match against New York University. Pamidimukkala recorded an ace in the match to eclipse the Institute record of 132 career aces, set by current teammate Ryan G. Dean '08. The Engineers lost the match 30-25, 30-27, 30-25.

UPCOMING HOME EVENTS

Wednesday, Feb. 27, 2008  
Men's Volleyball vs. Milwaukee School of Engineering  
7 p.m., Rockwell Cage  
Men's Ice Hockey vs. Western Connecticut State University  
7 p.m., Johnson Ice Arena